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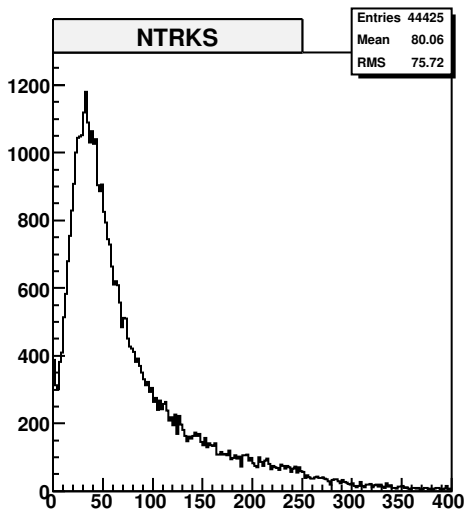
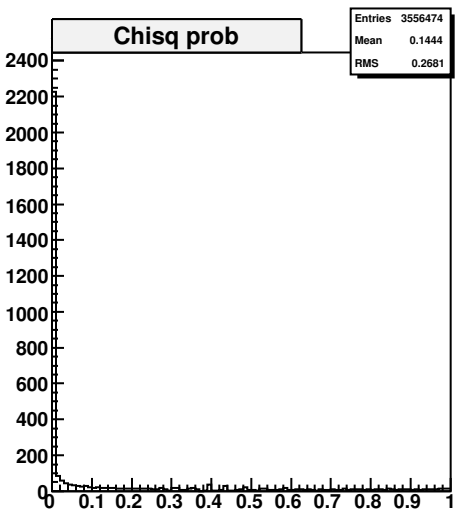
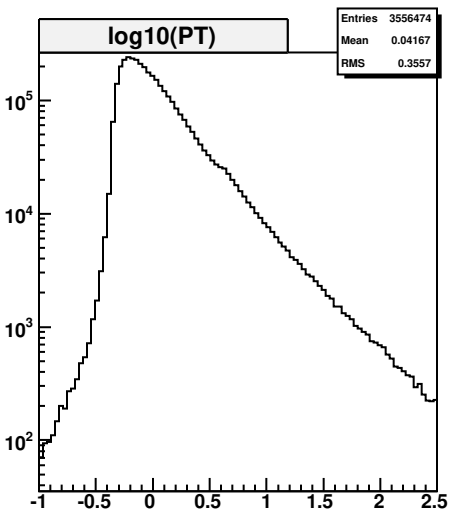
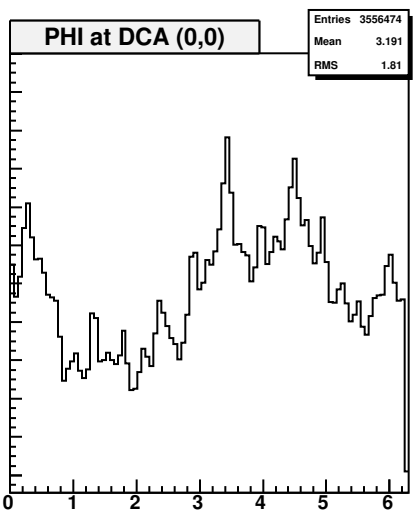
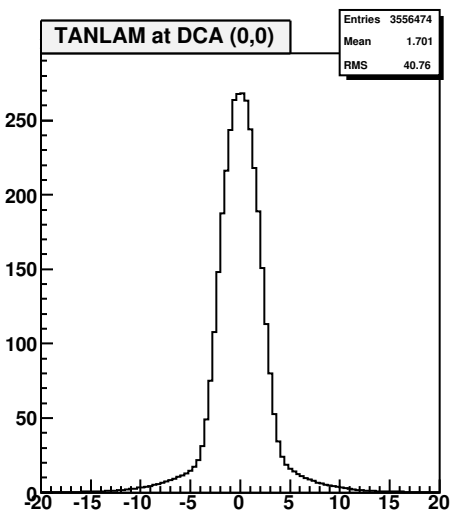
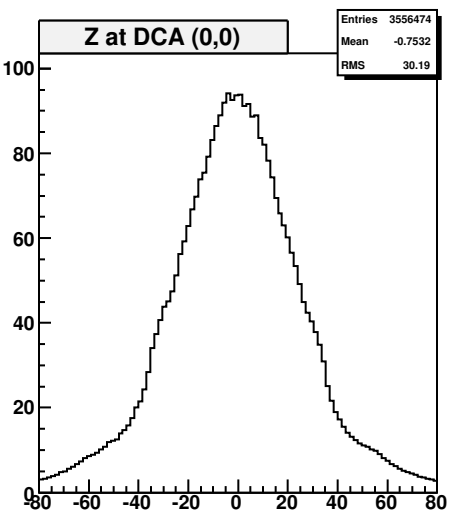

NTRKS
Entries 44425
Mean 80.06
RMS 75.72

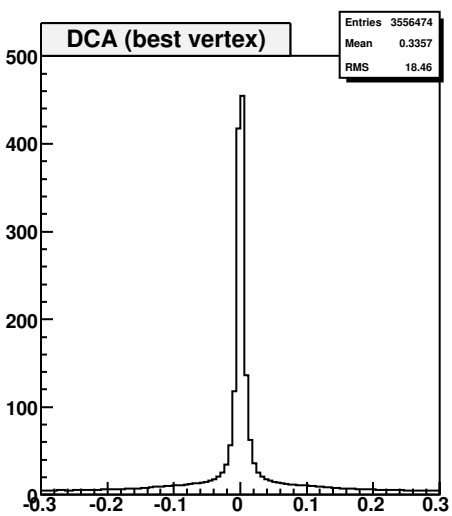

Chisq prob
Entries 3556474
Mean 0.1444
RMS 0.2681

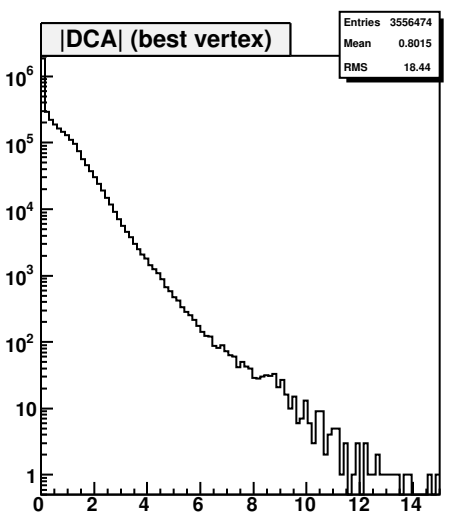

log10(PT)
Entries 3556474
Mean 0.04167
RMS 0.3557

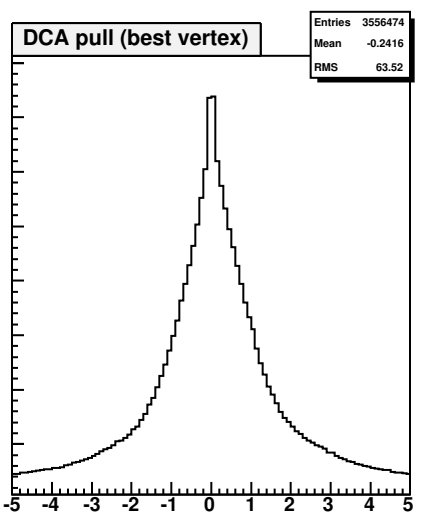

PHI at DCA (0,0)
Entries 3556474
Mean 3.191
RMS 1.81


TANLAM at DCA (0,0)
Entries 3556474
Mean 1.701
RMS 40.76

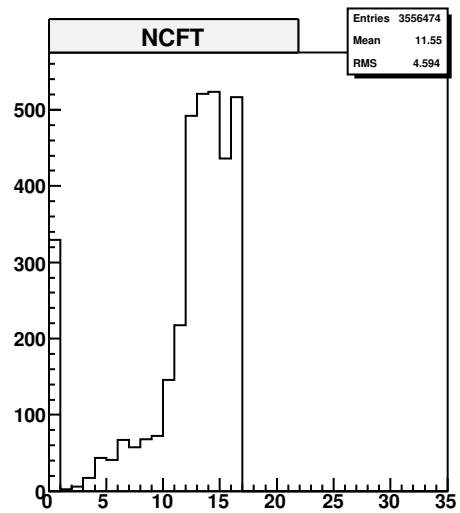

Z at DCA (0,0)
Entries 3556474
Mean -0.7532
RMS 30.19

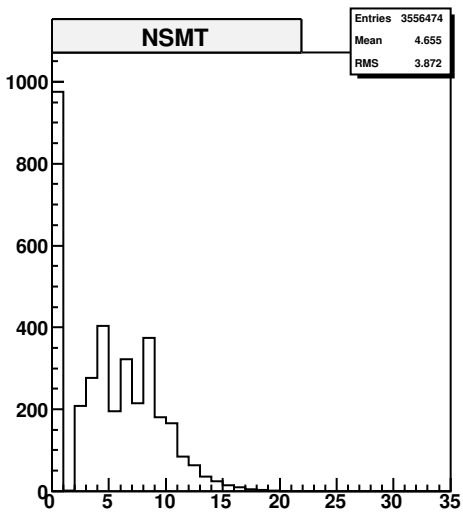

DCA (best vertex)
Entries 3556474
Mean 0.3357
RMS 18.46

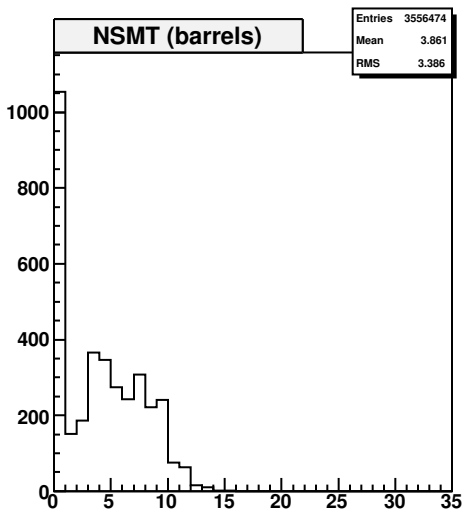

|DCA| (best vertex)
Entries 3556474
Mean 0.8015
RMS 18.44

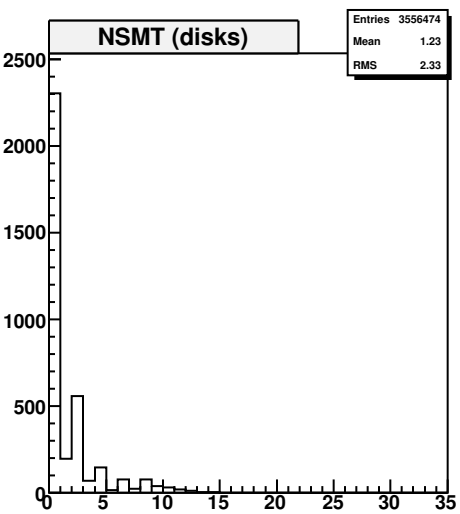

DCA pull (best vertex)
Entries 3556474
Mean -0.2416
RMS 63.52

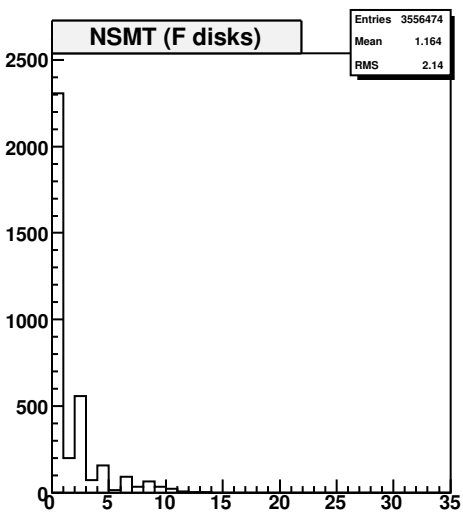
Tracks (All)

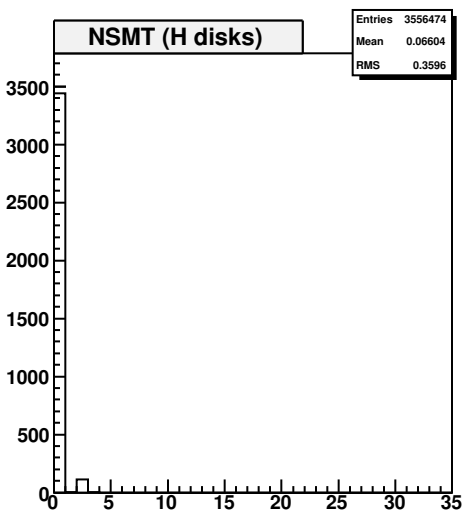


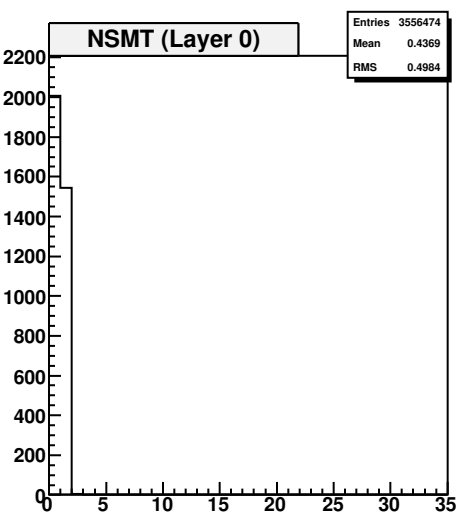




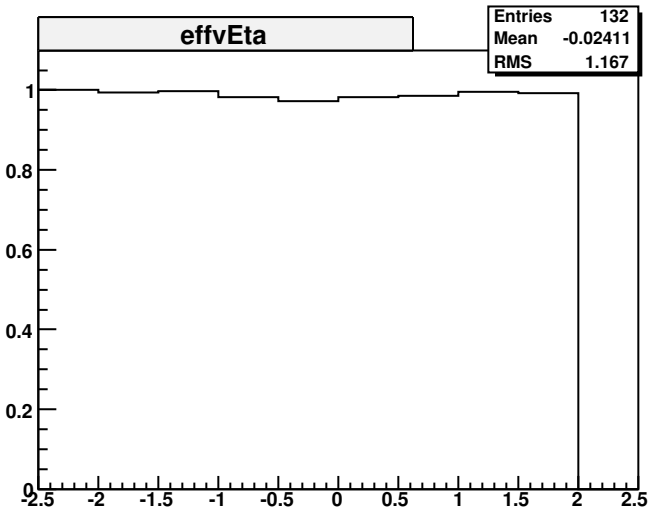


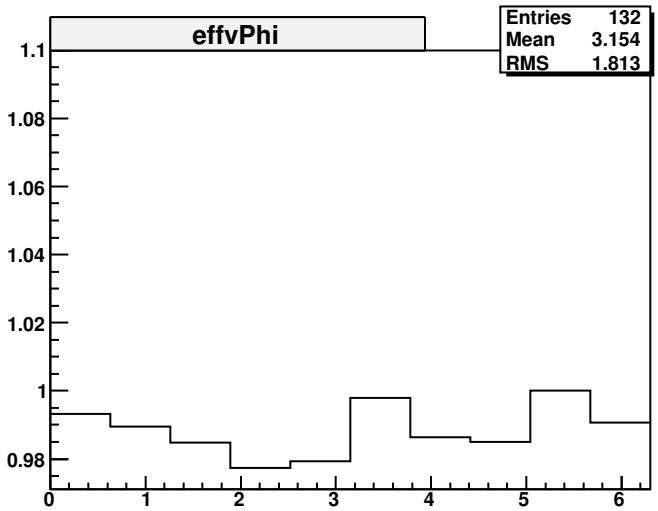


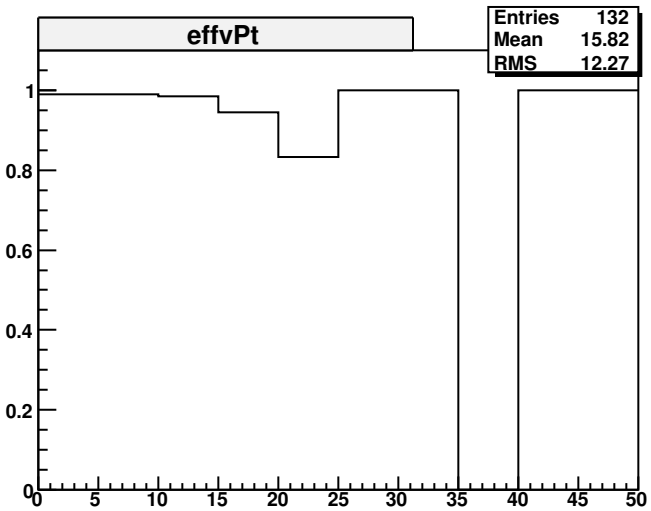


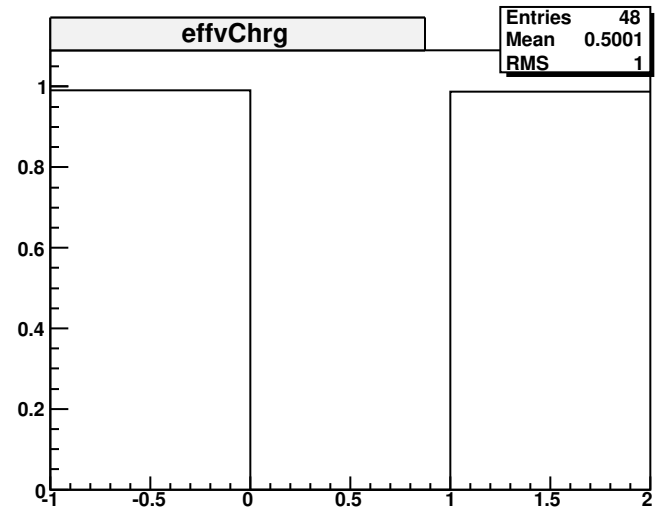


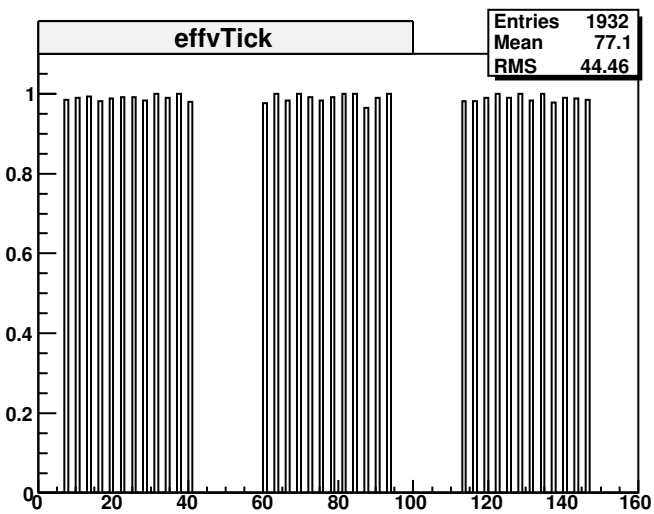
Track Hits (All)

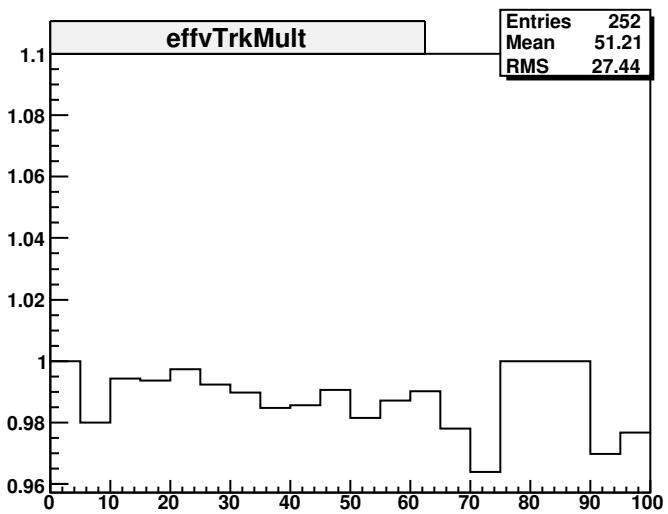




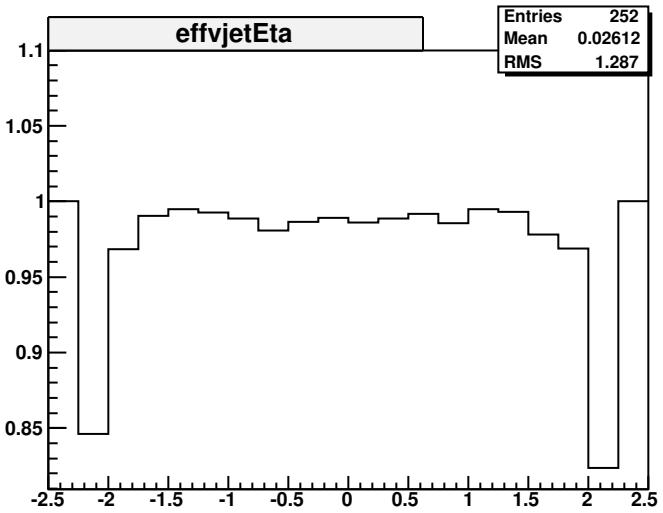


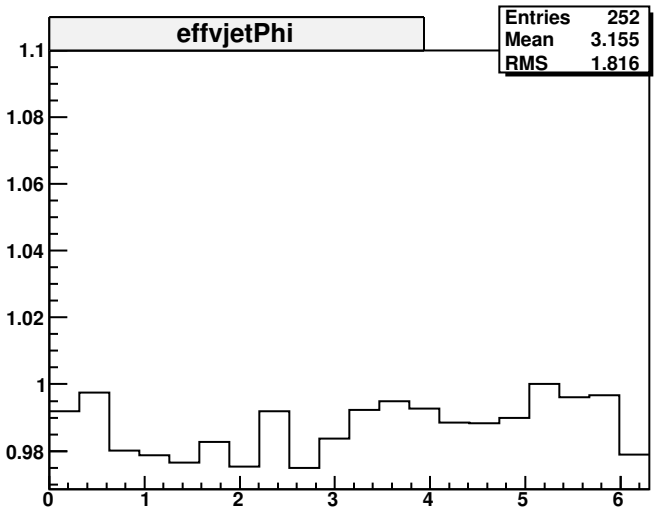


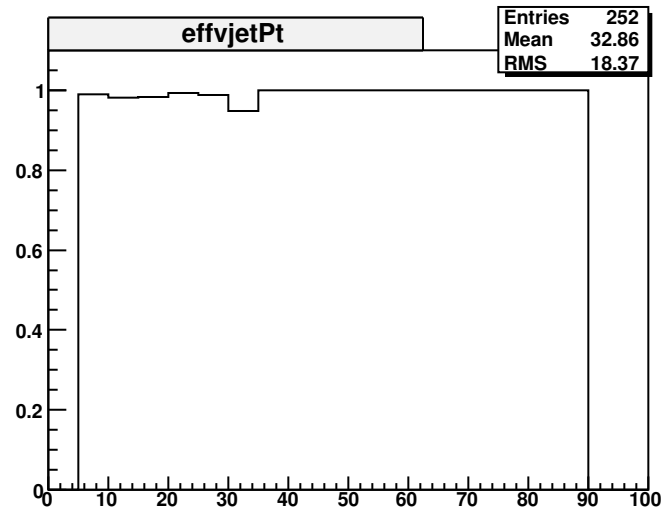


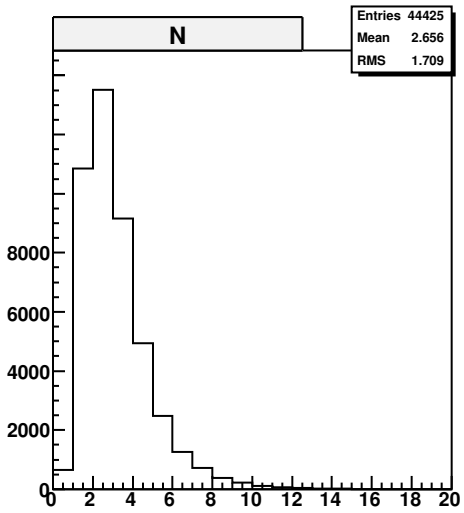


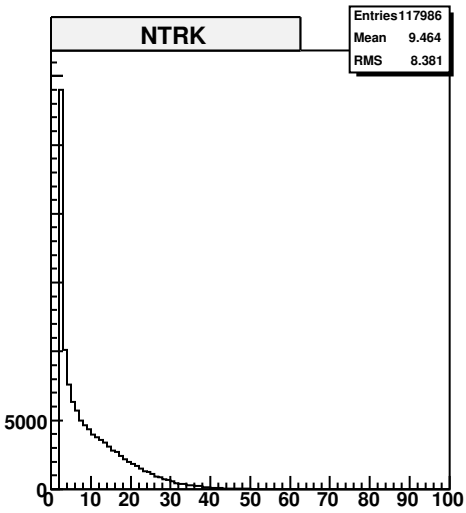
Tracking (Efficiency-Isolated)

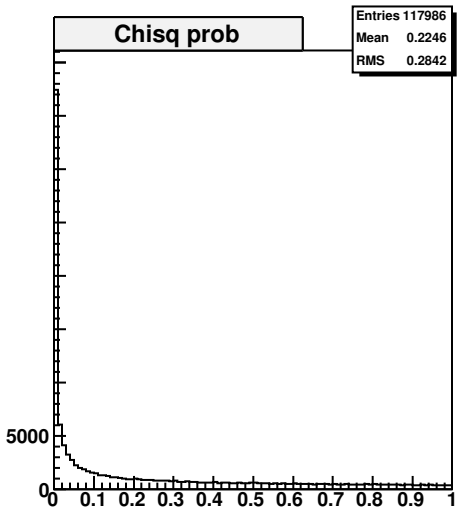

effvjetEta
Entries 252
Mean 0.02612
RMS 1.287
1.1
1.05
1
0.95
0.9
0.85
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

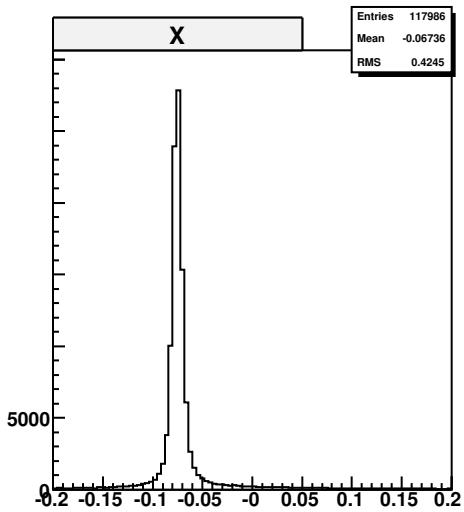

effvjetPhi
Entries 252
Mean 3.155
RMS 1.816
1.1
1.08
1.06
1.04
1.02
1
0.98
0 1 2 3 4 5 6

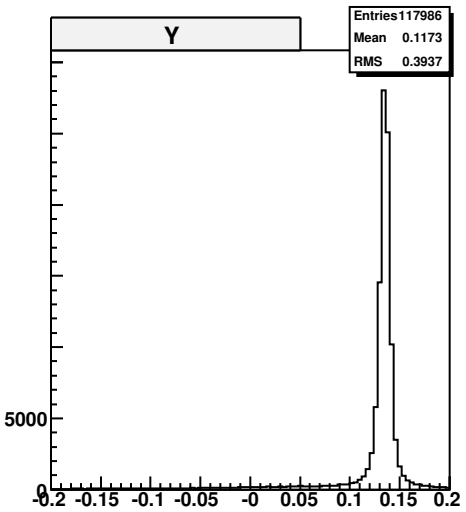

effvjetPt
Entries 252
Mean 32.86
RMS 18.37
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

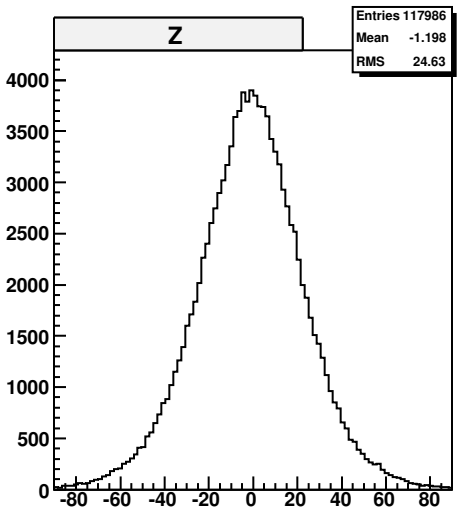




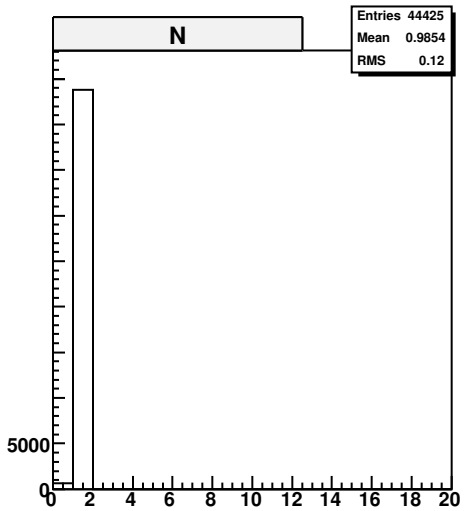


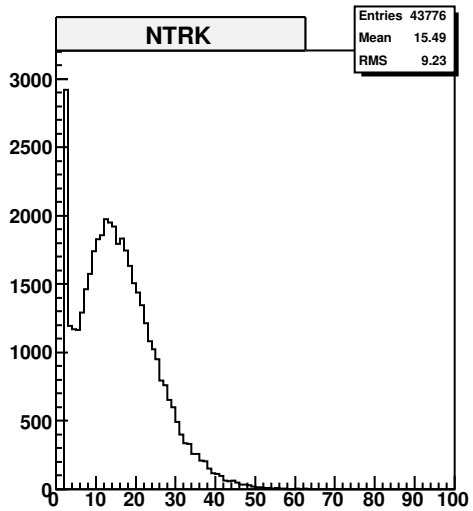


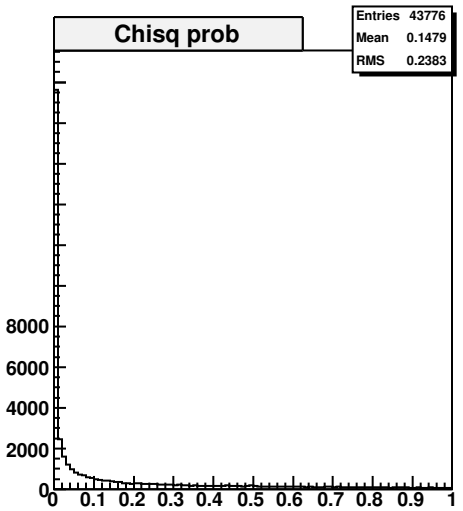


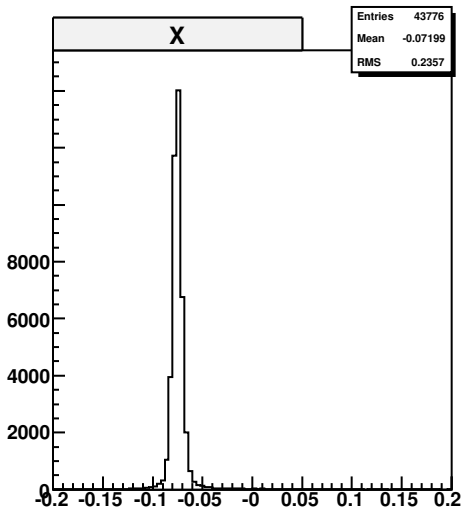


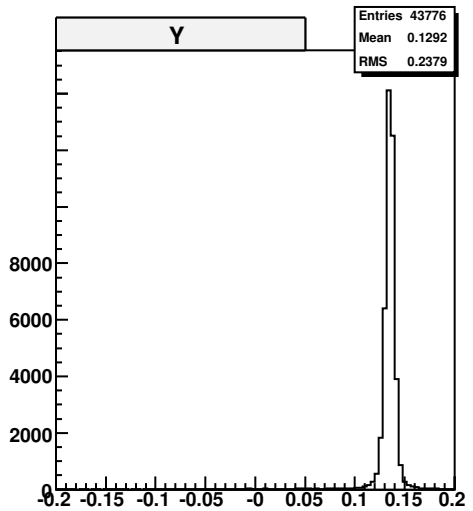
Vertices (Primary - all candidates)

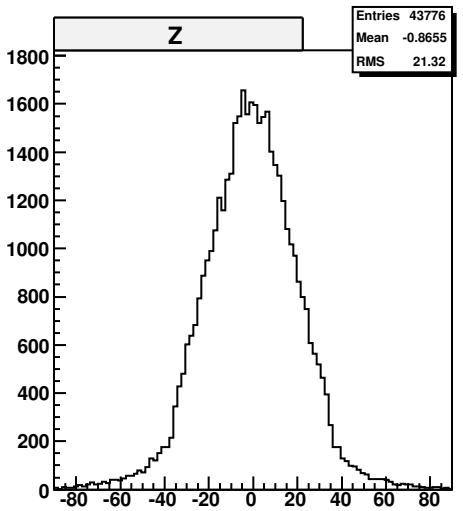




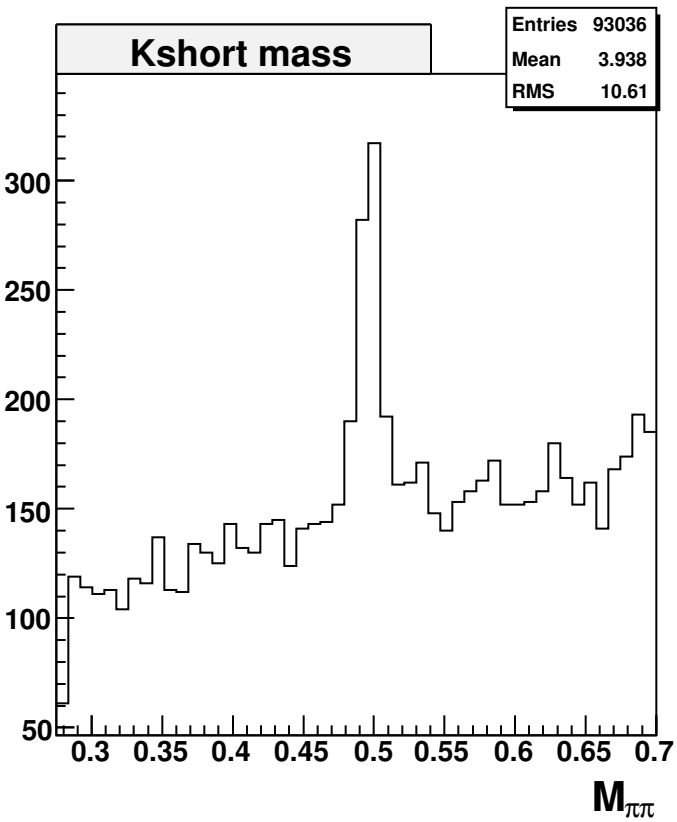


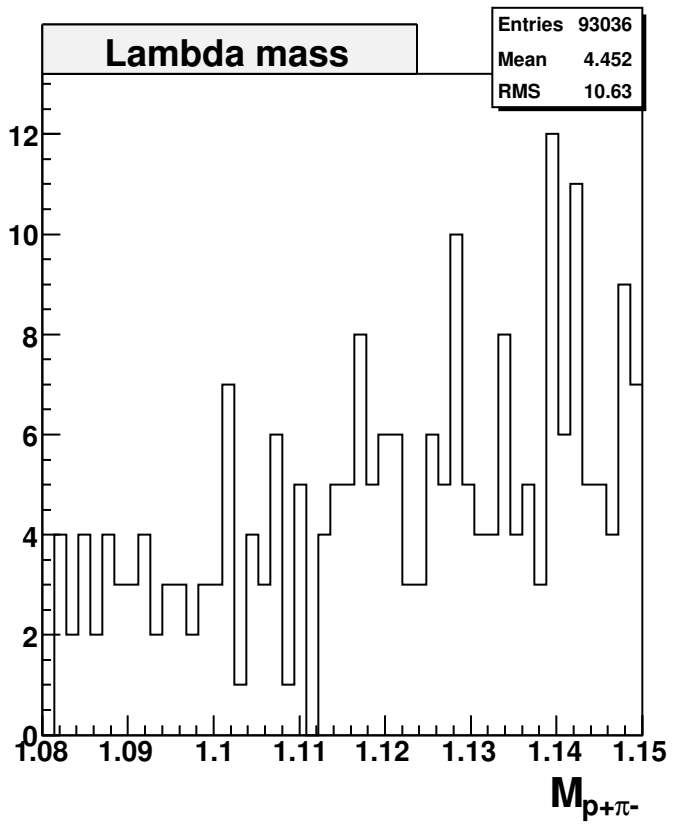


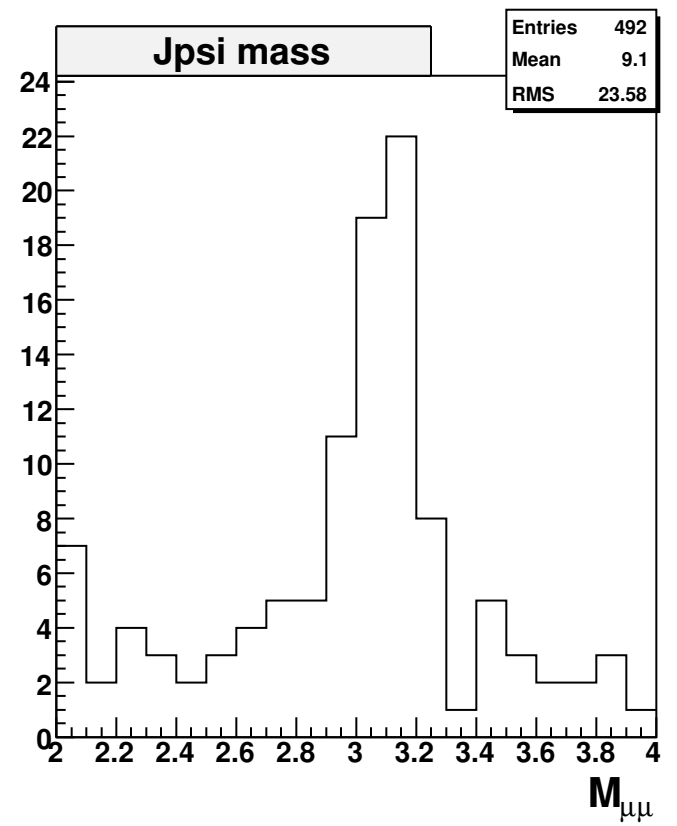


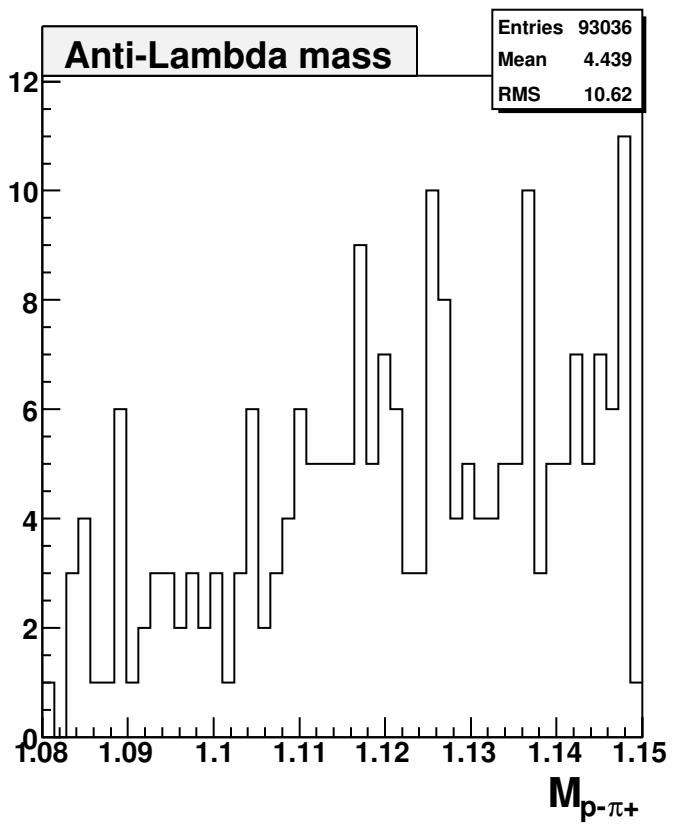


Vertices (Primary - best)

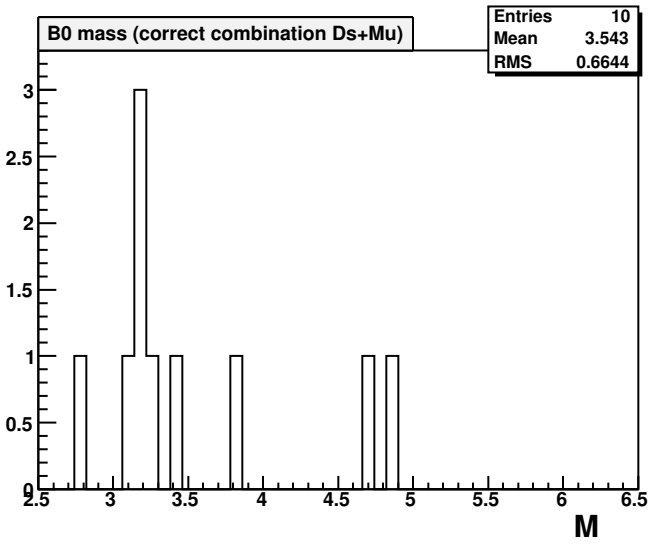

Kshort mass
Entries 93036
Mean 3.938
RMS 10.61
300
250
200
150
100
50
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

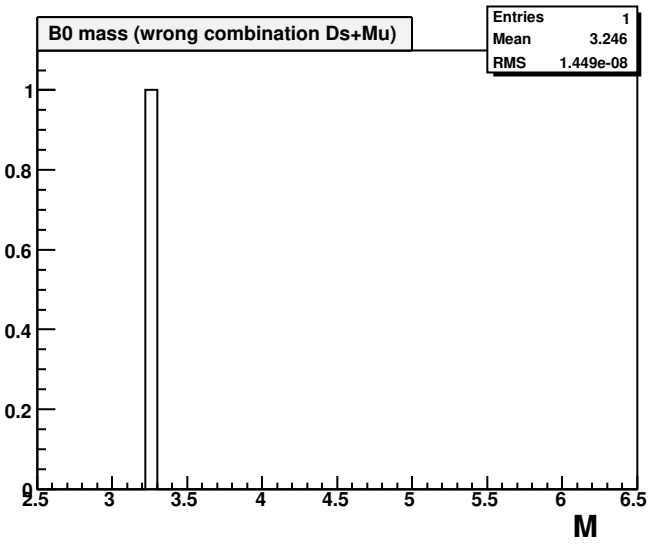

Lambda mass
Entries 93036
Mean 4.452
RMS 10.63
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

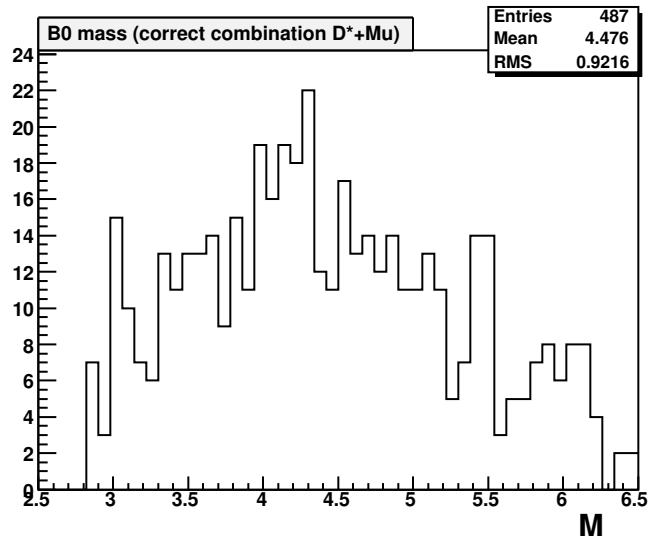

Jpsi mass
Entries 492
Mean 9.1
RMS 23.58
24
22
20
18
16
14
12
10
8
6
4
2
0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

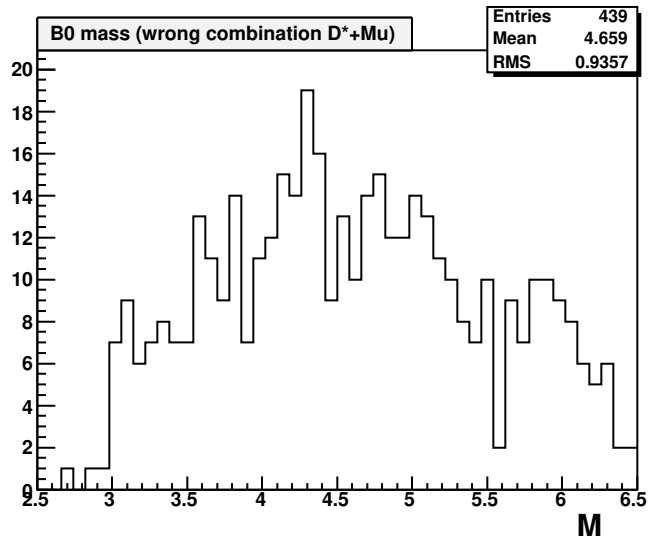

Anti-Lambda mass
Entries 93036
Mean 4.439
RMS 10.62
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

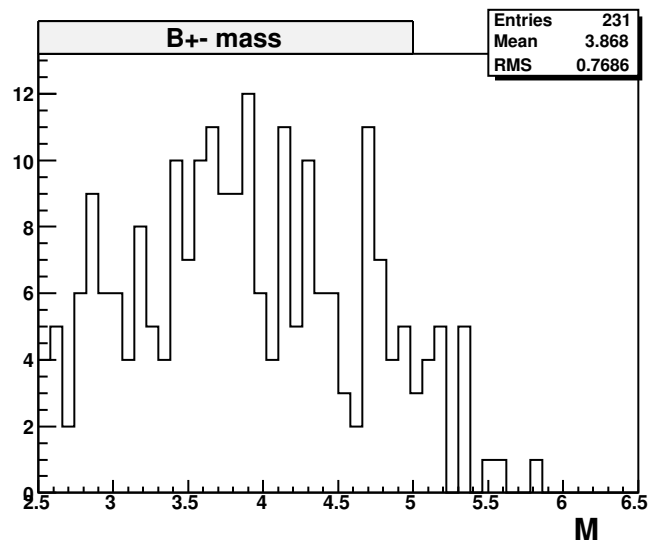
V0 (All)



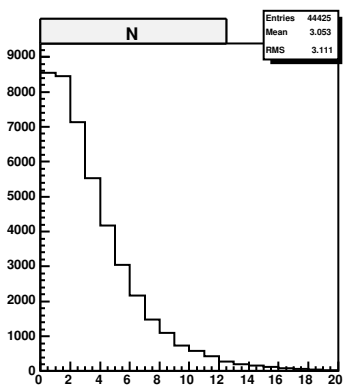


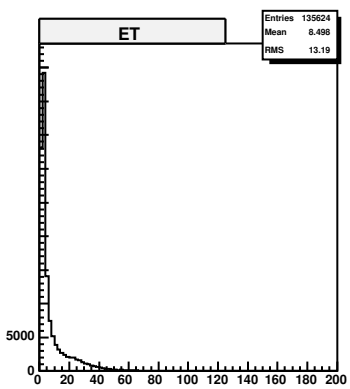


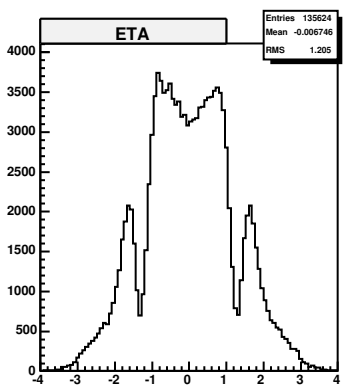


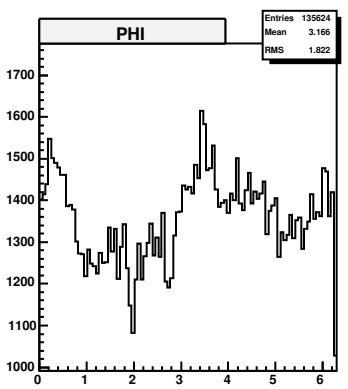


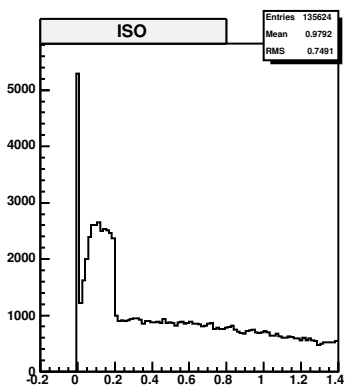
V0(B mesons) (All)

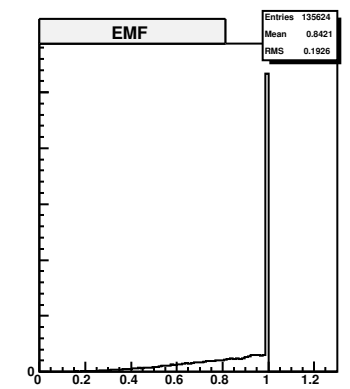


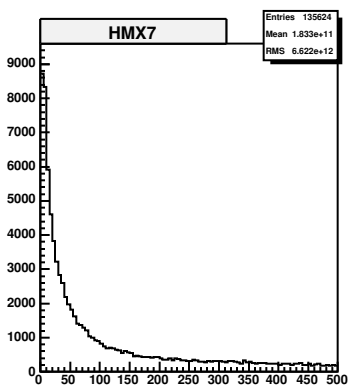


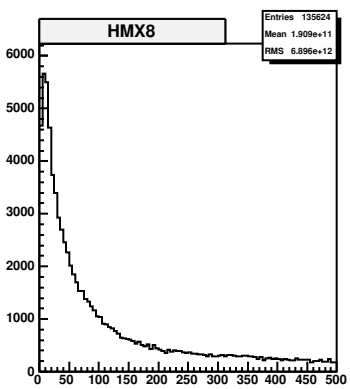


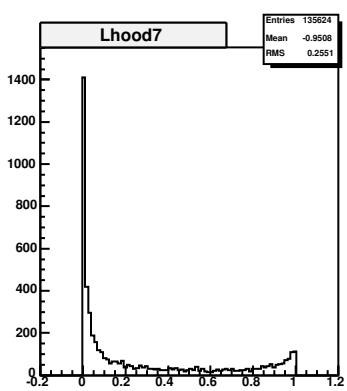


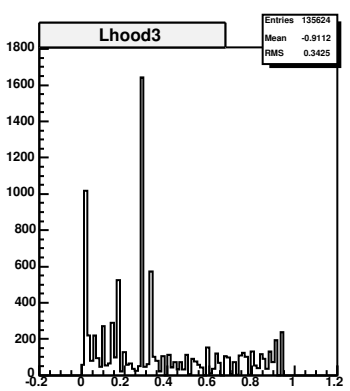


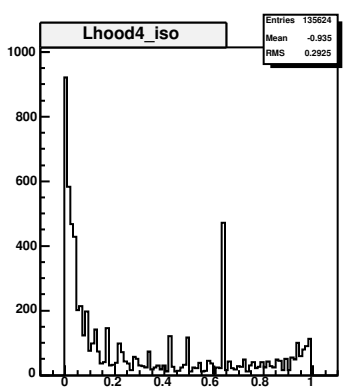


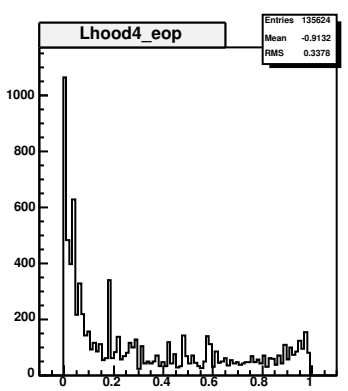


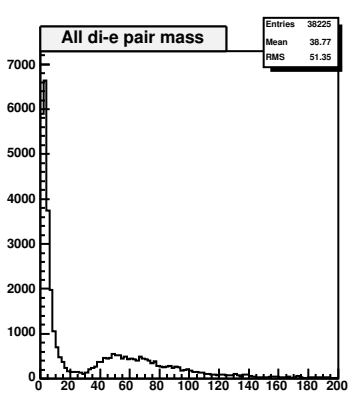


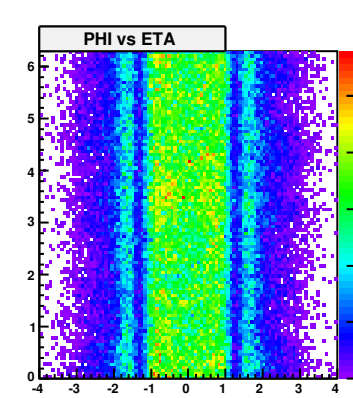


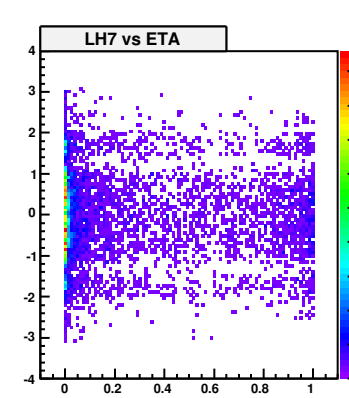


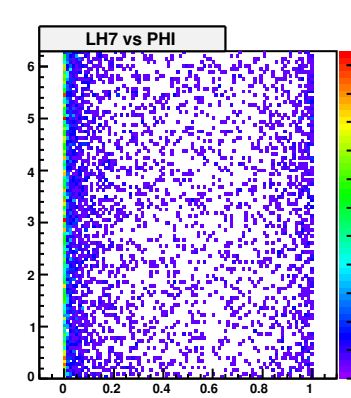




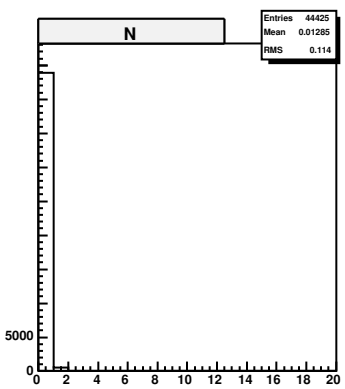


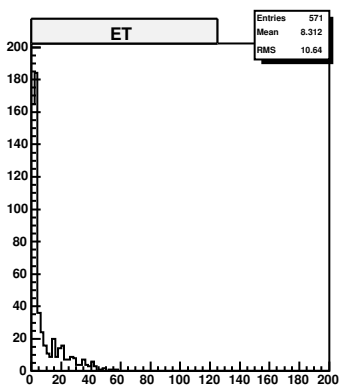


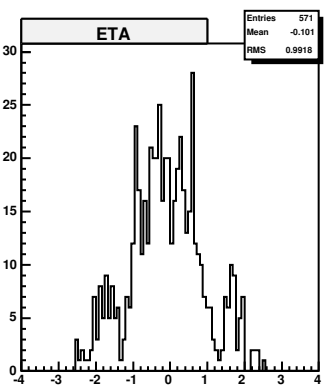


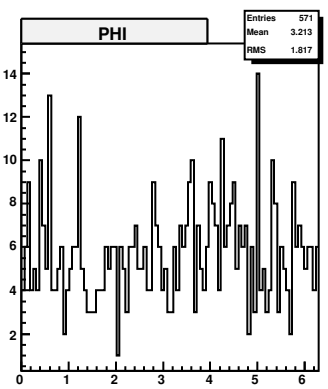


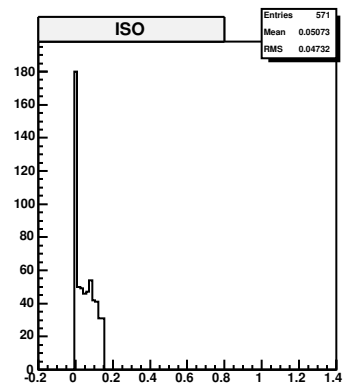
Electrons (SCONE All)

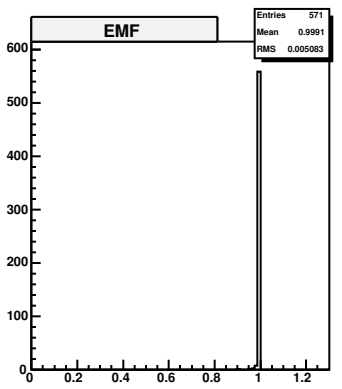


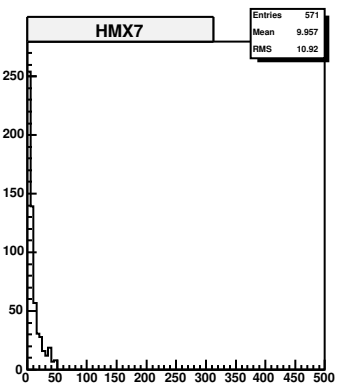


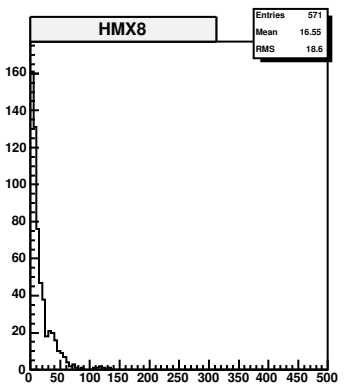


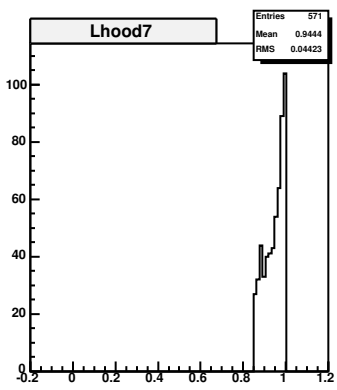


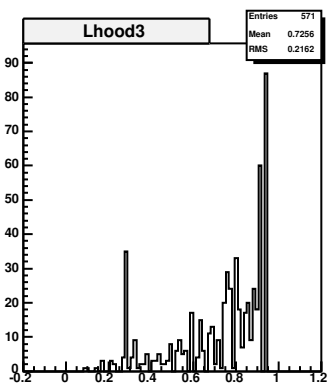


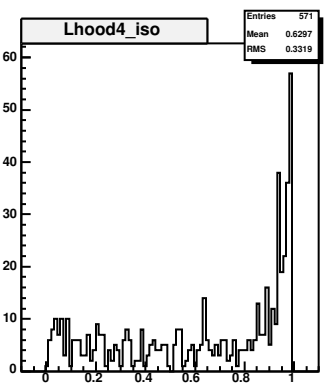


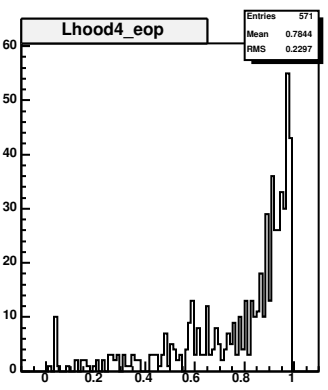


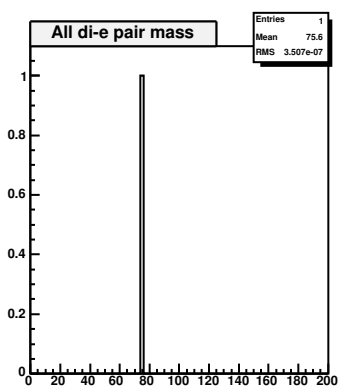


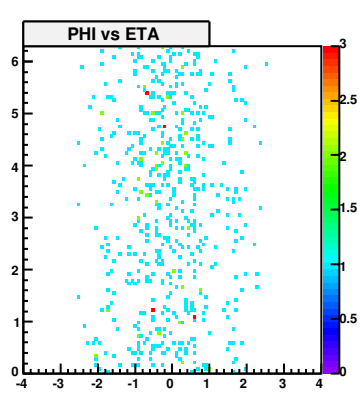


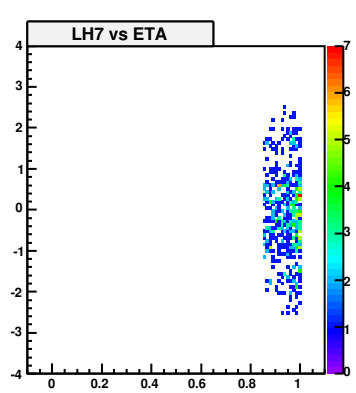


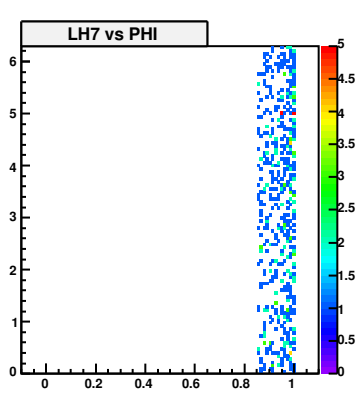




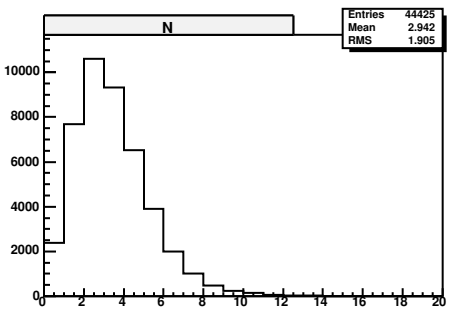


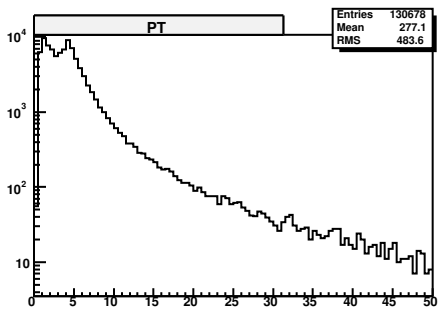


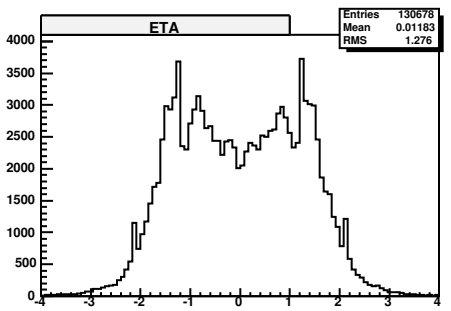


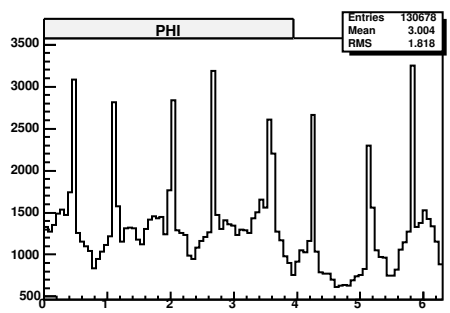


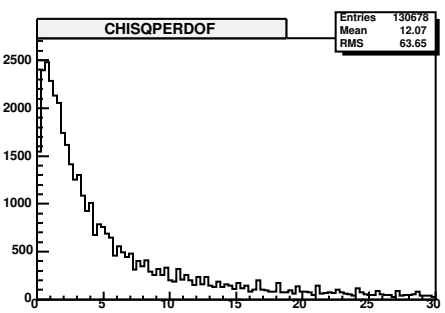
Electrons (SCONE Tight)

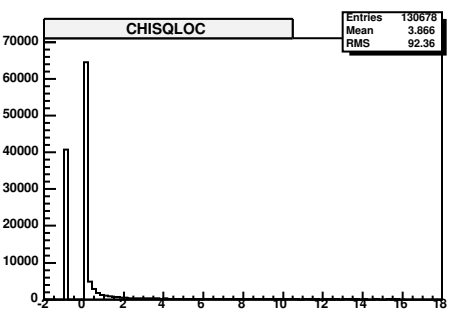

N
Entries 44425
Mean 2.942
RMS 1.905

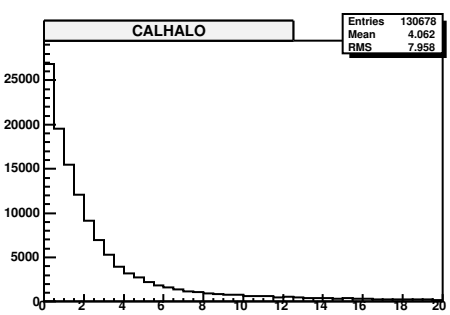

PT
Entries 130678
Mean 277.1
RMS 483.6

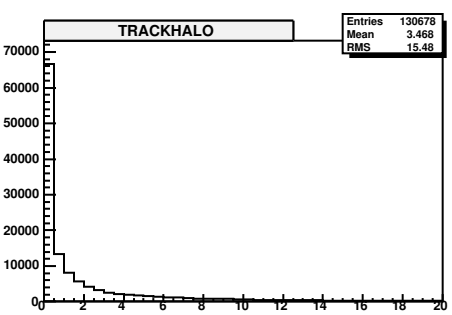

ETA
Entries 130678
Mean 0.01183
RMS 1.276

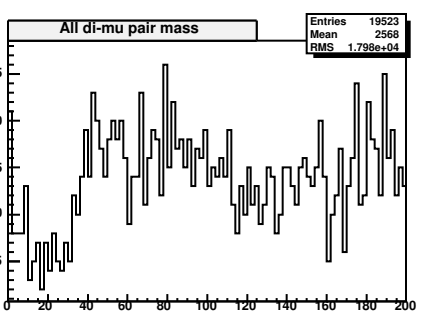

PHI
Entries 130678
Mean 3.004
RMS 1.818

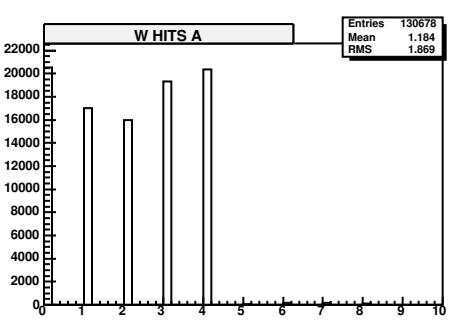

CHISQPERDOF
Entries 130678
Mean 12.07
RMS 63.65

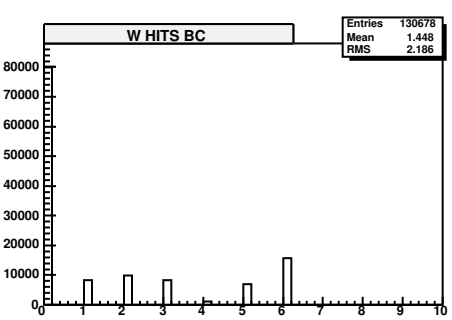

CHISQLOC
Entries 130678
Mean 3.866
RMS 92.36

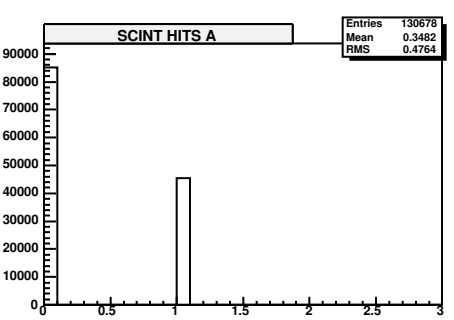

CALHALO
Entries 130678
Mean 4.062
RMS 7.958

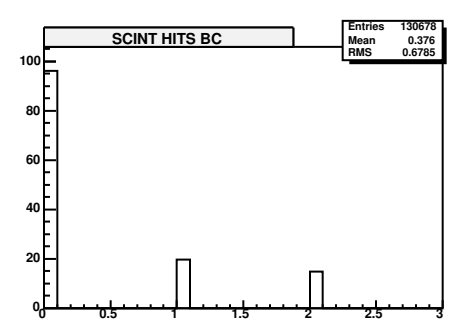

TRACKHALO
Entries 130678
Mean 3.468
RMS 15.48


All di-mu pair mass
Entries 19523
Mean 2568
RMS 1.798e+04

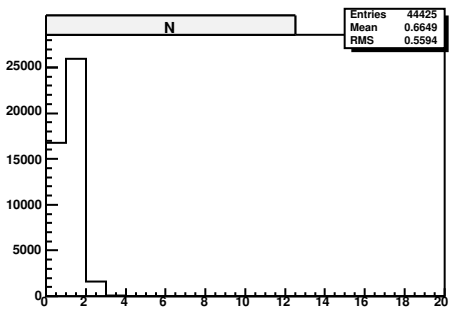

W HITS A
Entries 130678
Mean 1.184
RMS 1.869

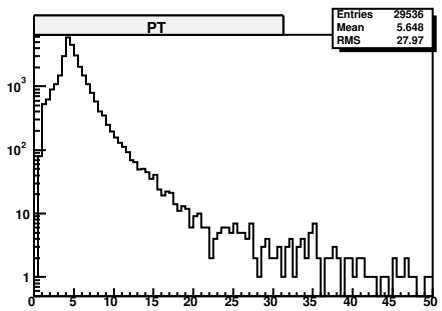

W HITS BC
Entries 130678
Mean 1.448
RMS 2.186

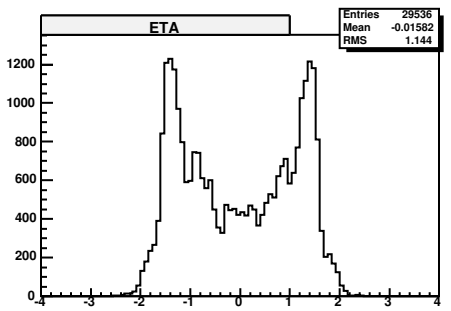

SCINT HITS A
Entries 130678
Mean 0.3482
RMS 0.4764

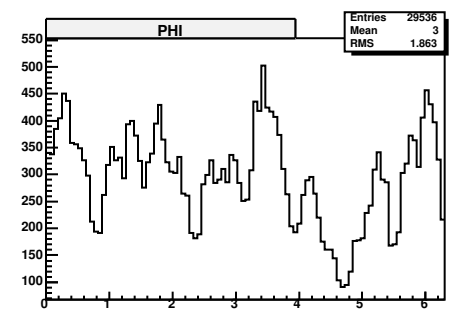

SCINT HITS BC
Entries 130678
Mean 0.376
RMS 0.6785

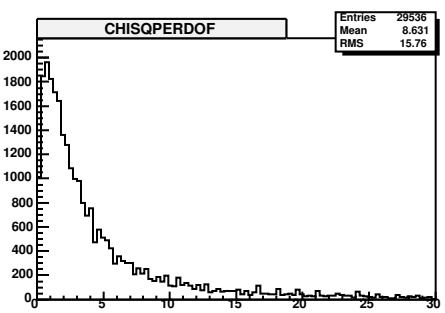
Muons (All)

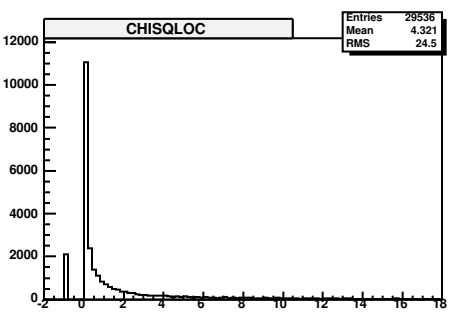


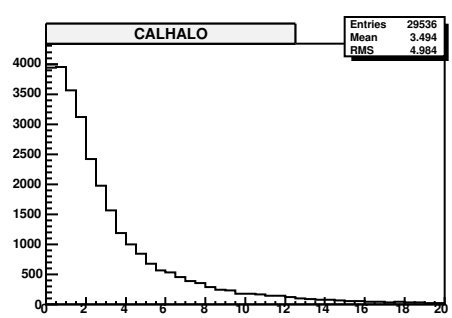


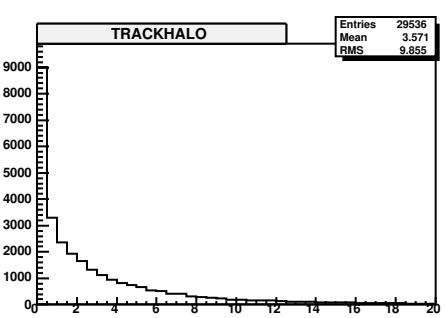


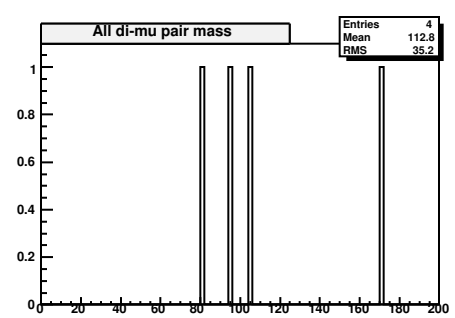


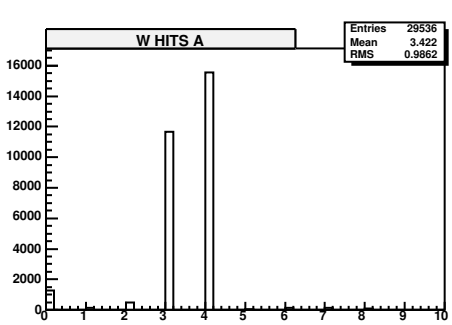


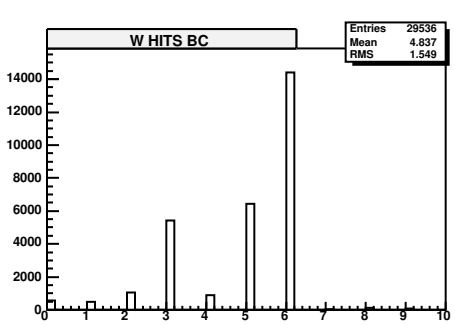


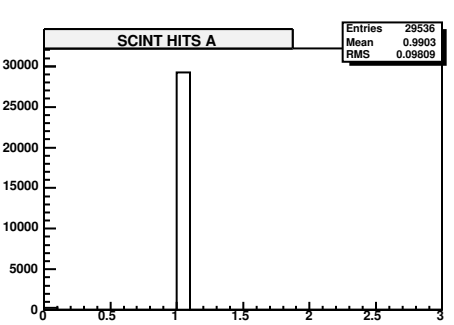


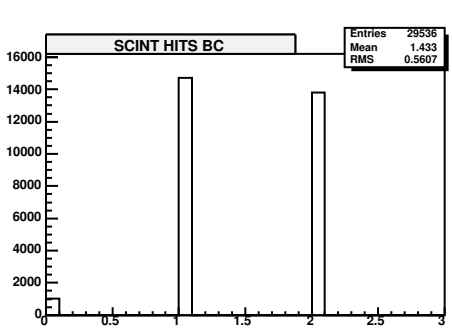




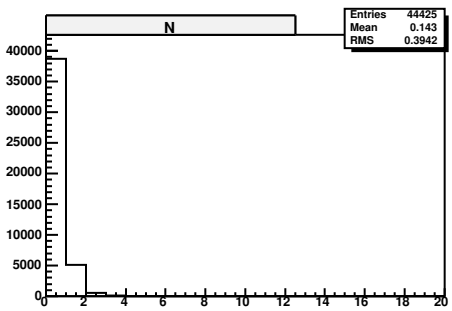


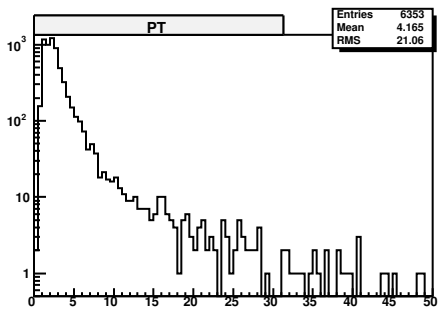


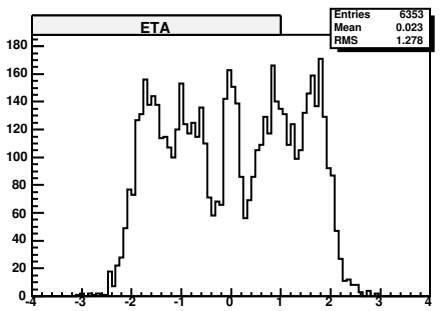


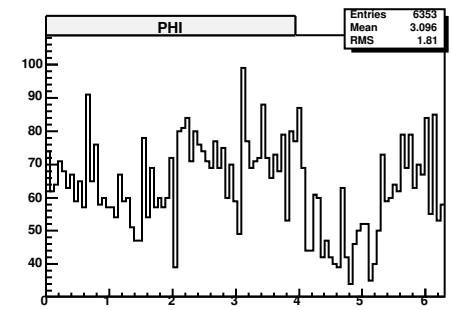


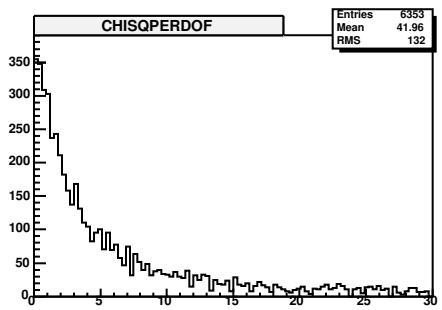
Muons (Matched)

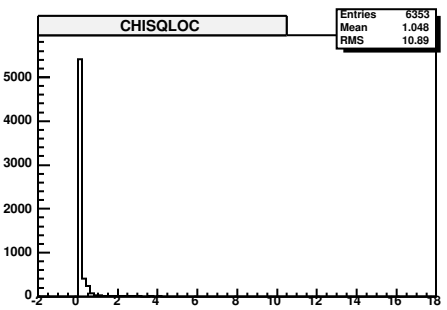

N
Entries 44425
Mean 0.143
RMS 0.3942

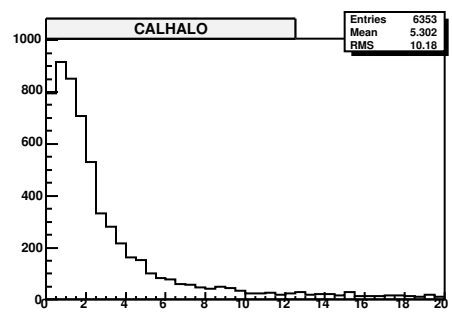

PT
Entries 6353
Mean 4.165
RMS 21.06

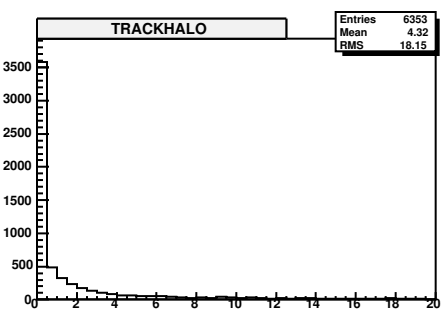

ETA
Entries 6353
Mean 0.023
RMS 1.278

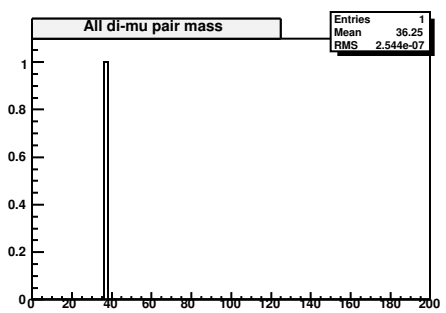

PHI
Entries 6353
Mean 3.096
RMS 1.81

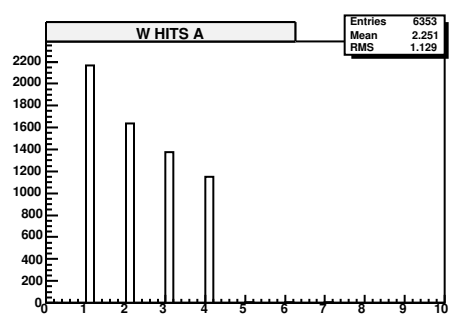

CHISQPERDOF
Entries 6353
Mean 41.96
RMS 132

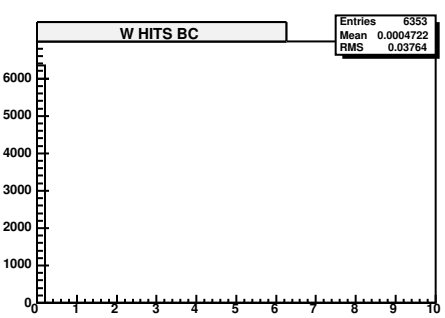

CHISQLOC
Entries 6353
Mean 1.048
RMS 10.89

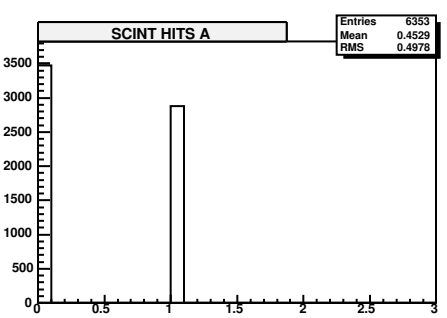

CALHALO
Entries 6353
Mean 5.302
RMS 10.18

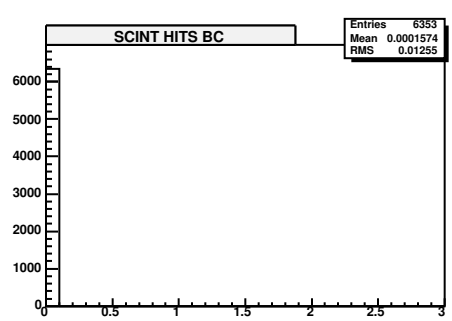

TRACKHALO
Entries 6353
Mean 4.32
RMS 18.15


All di-mu pair mass
Entries 1
Mean 36.25
RMS 2.544e-07

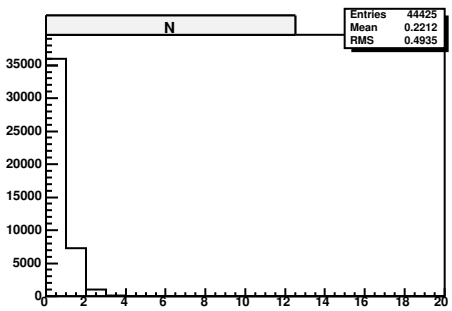

W HITS A
Entries 6353
Mean 2.251
RMS 1.129

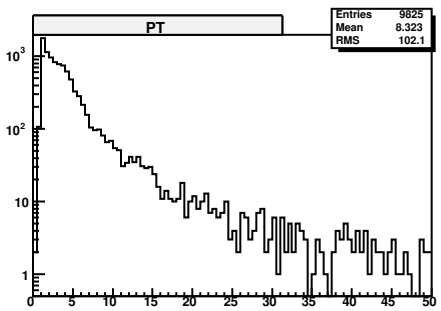

W HITS BC
Entries 6353
Mean 0.0004722
RMS 0.03764

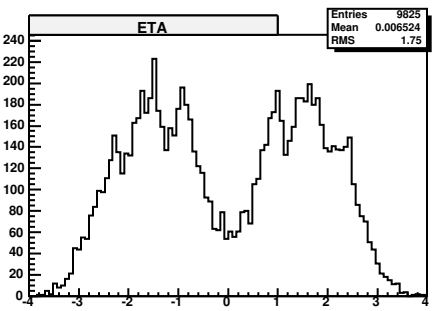

SCINT HITS A
Entries 6353
Mean 0.4529
RMS 0.4978

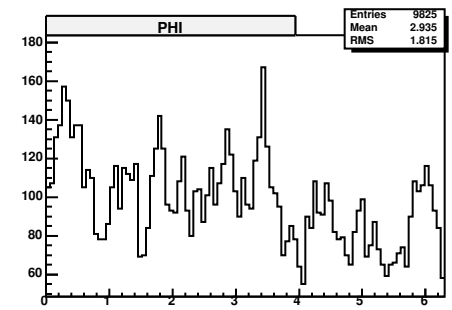

SCINT HITS BC
Entries 6353
Mean 0.0001574
RMS 0.01255

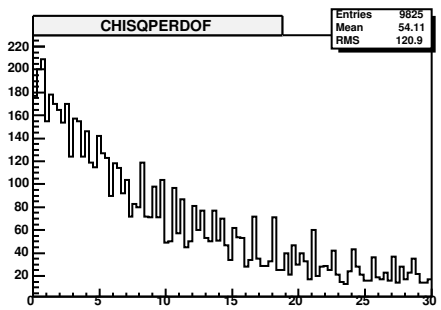
Muons (Astub)

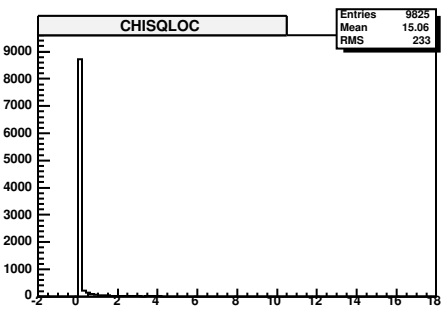


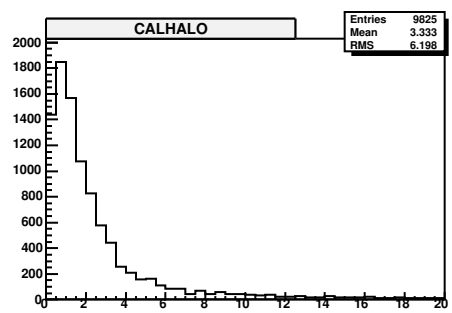


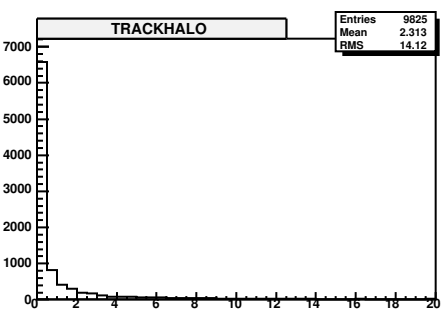


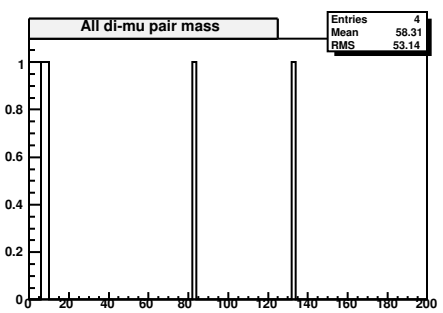


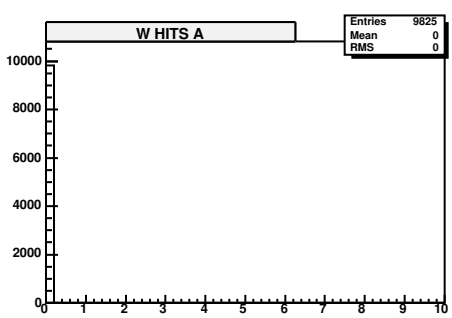


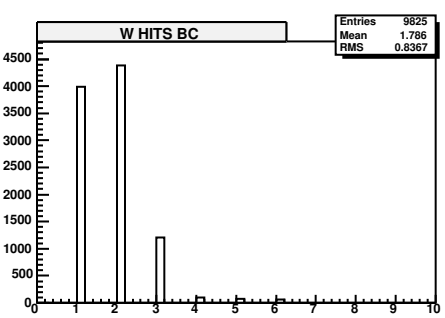


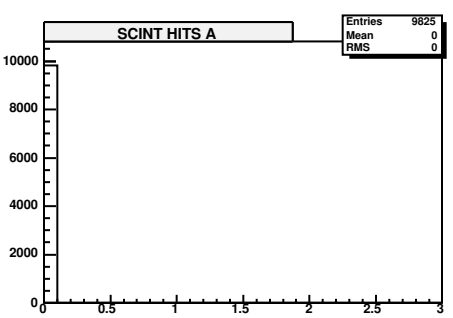


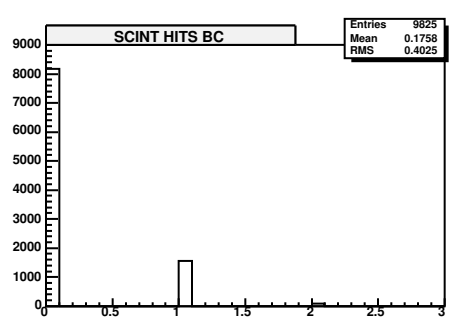




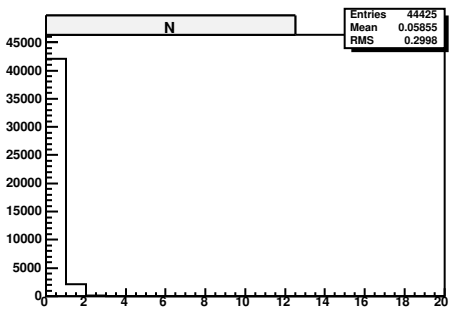


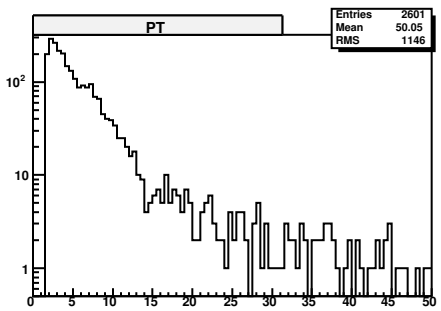


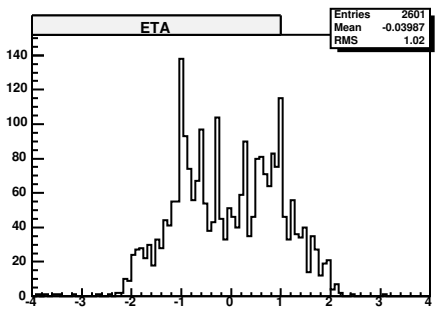


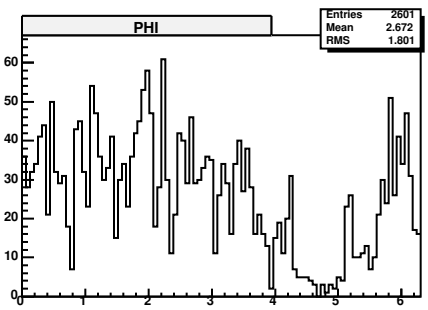


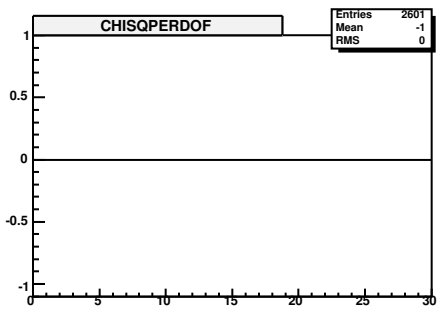
Muons (BCstub)

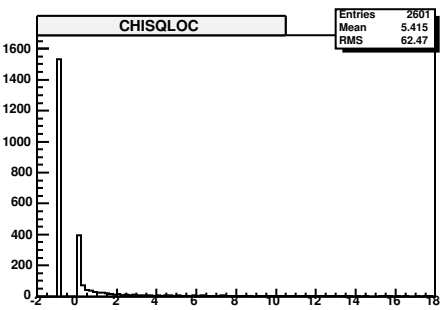


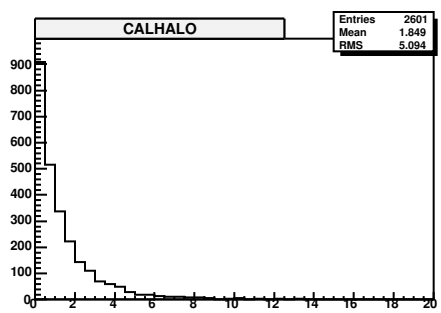


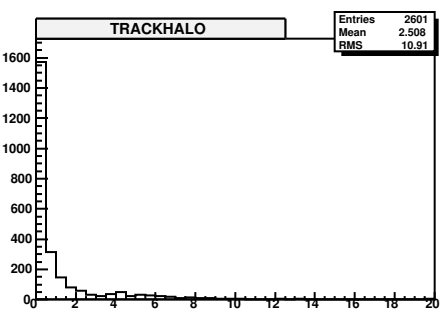


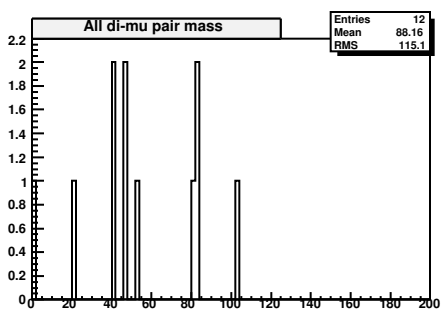


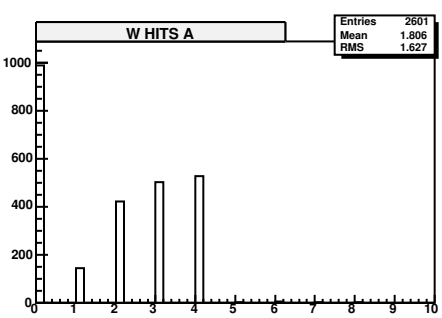


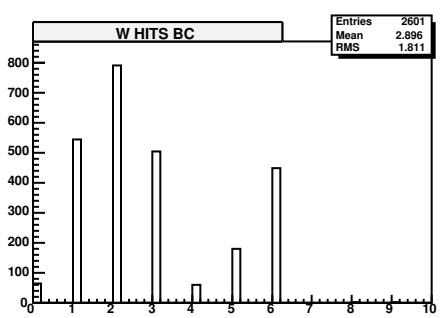


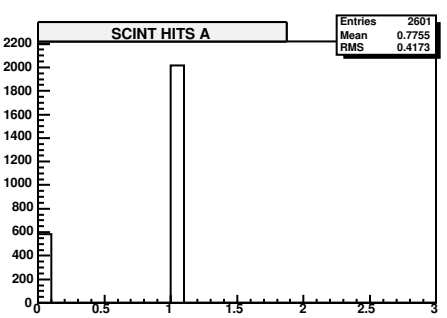


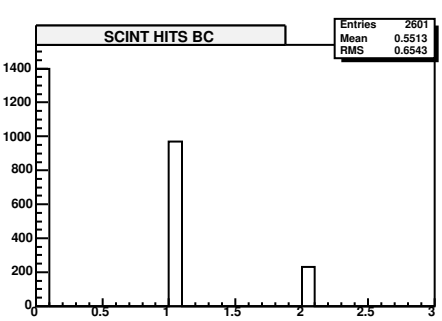




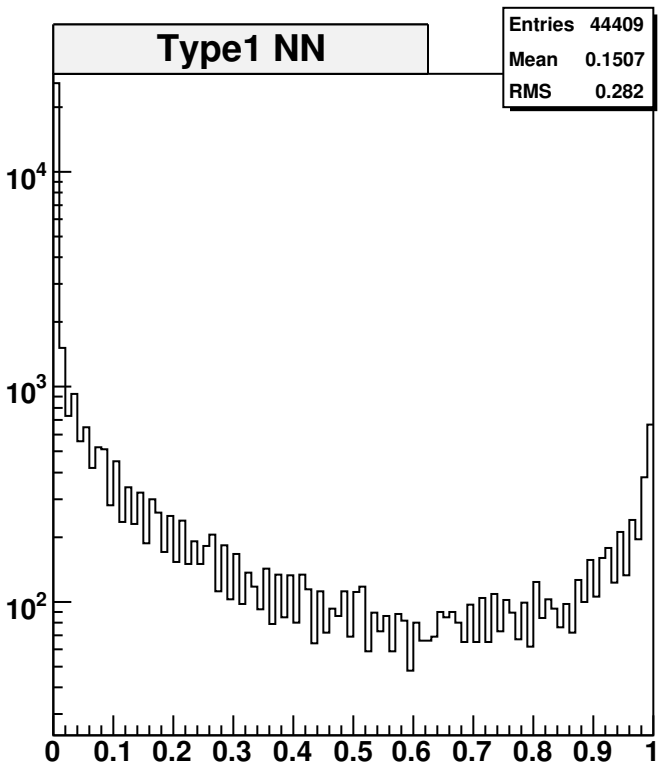


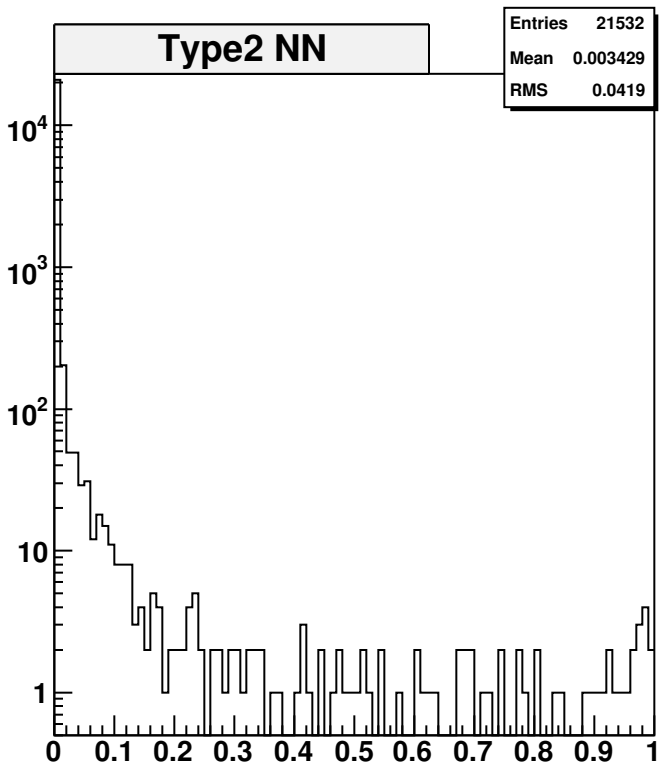


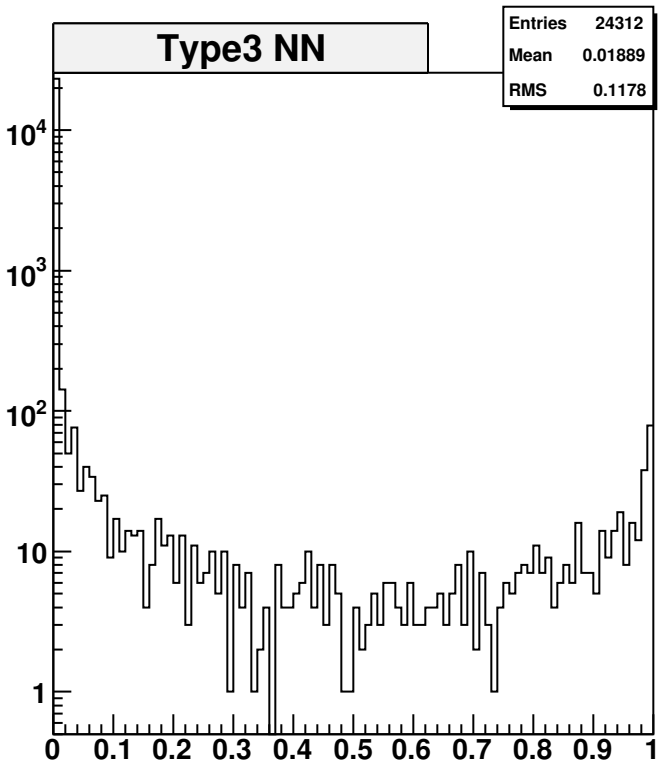


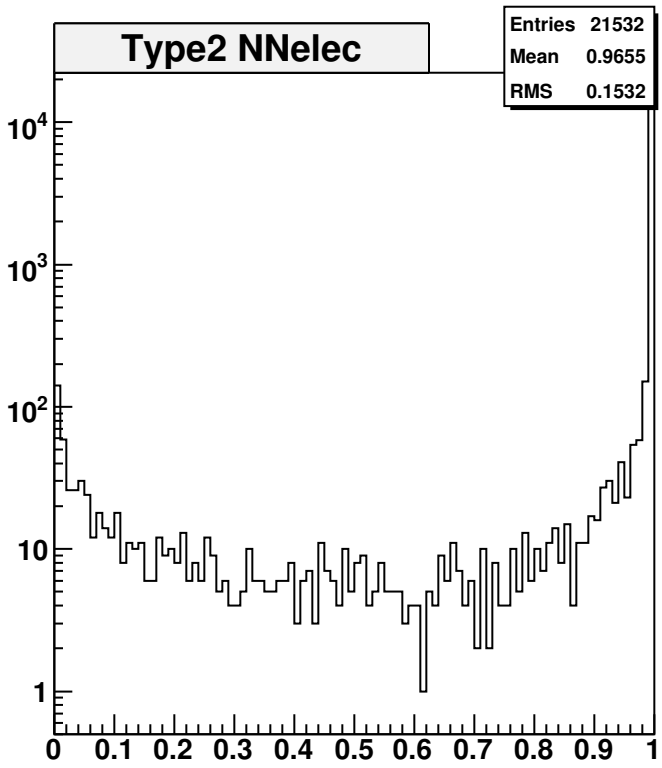


Muons (Unmatched)

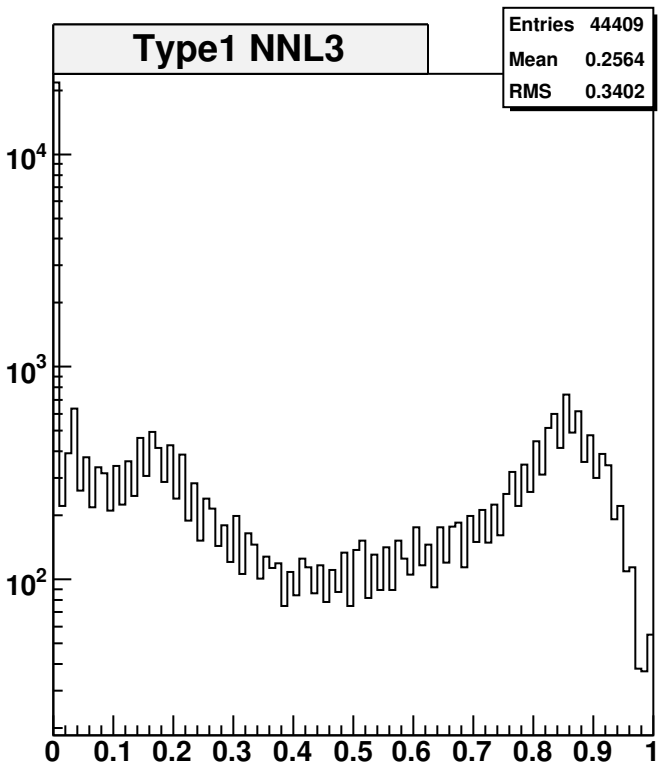


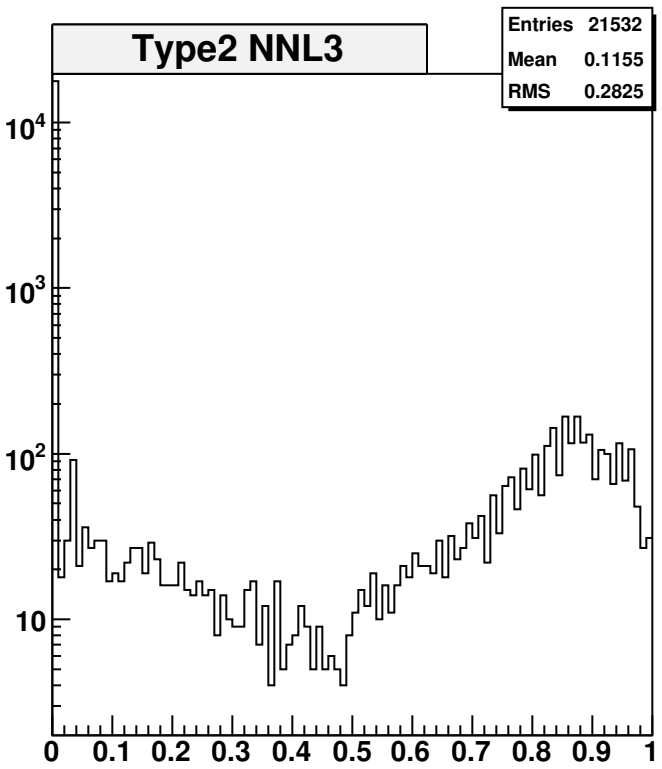


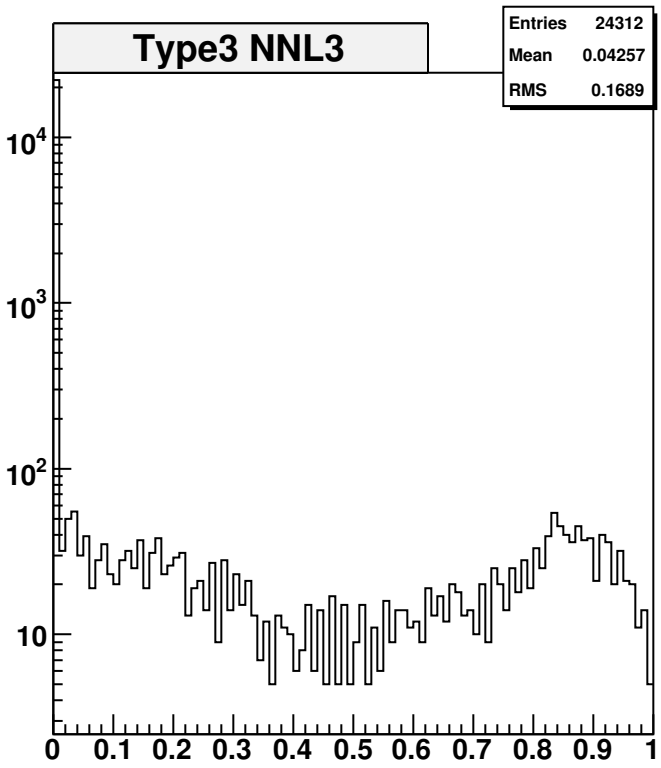


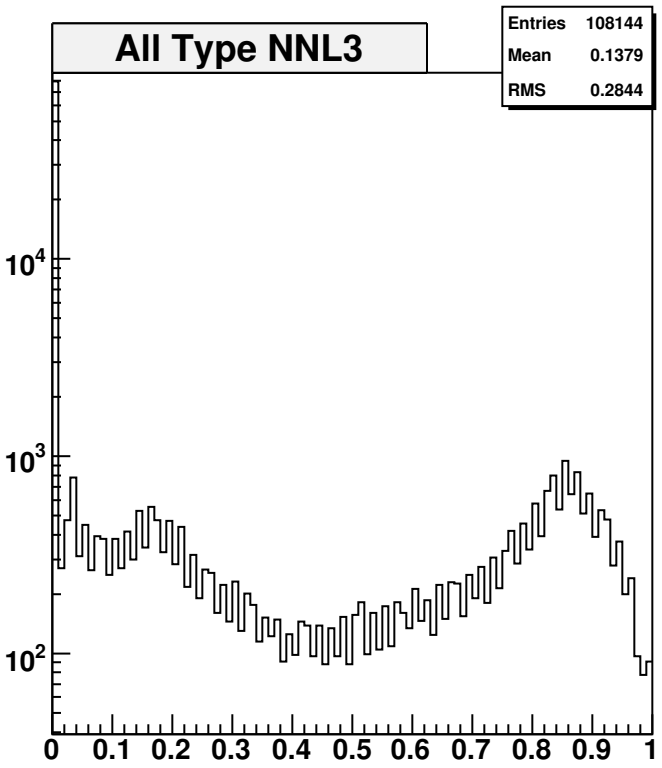


Taus NN (TAU All)

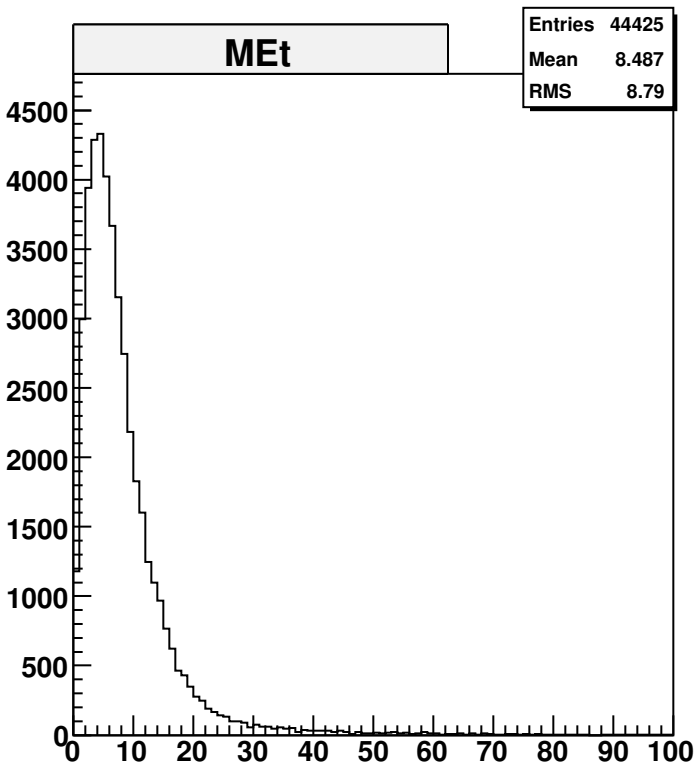


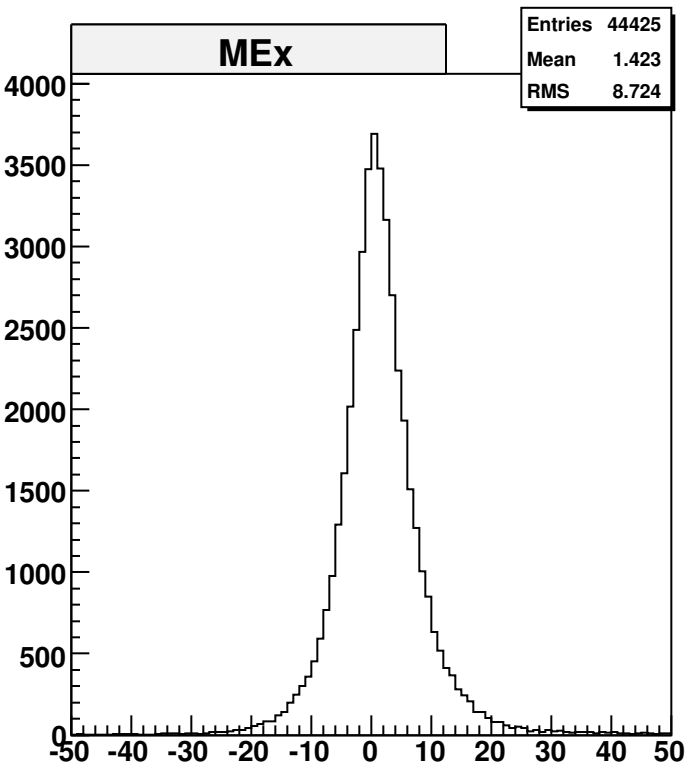






Taus NNL3 (TAU All)


MEt
Entries 44425
Mean 8.487
RMS 8.79
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 10 20 30 40 50 60 70 80 90 100


MEx
Entries 44425
Mean 1.423
RMS 8.724
4000
3500
3000
2500
2000
1500
1000
500
0
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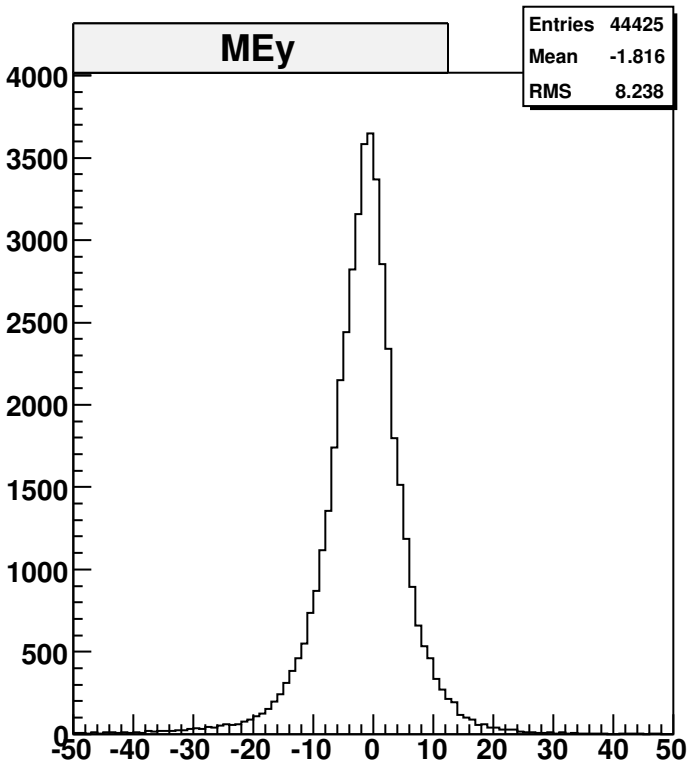
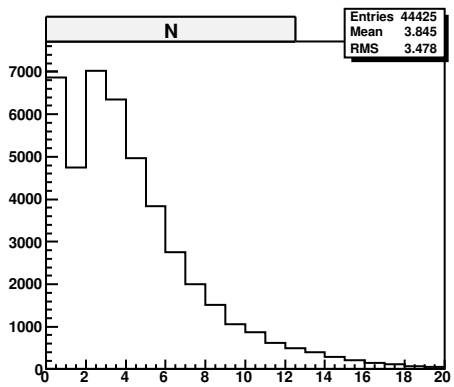
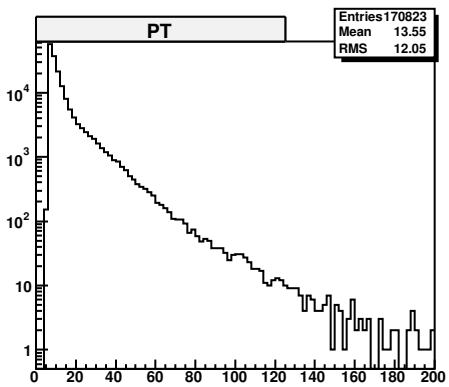
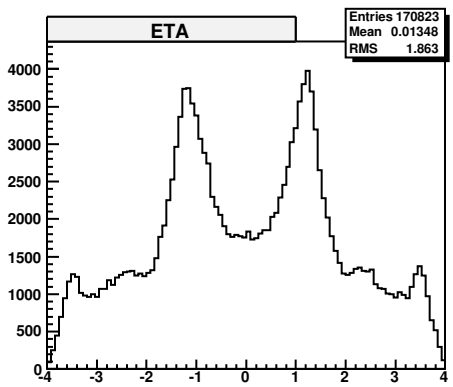
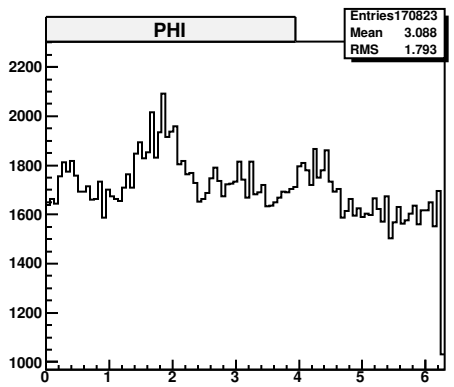

MEy
Entries 44425
Mean -1.816
RMS 8.238
4000
3500
3000
2500
2000
1500
1000
500
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

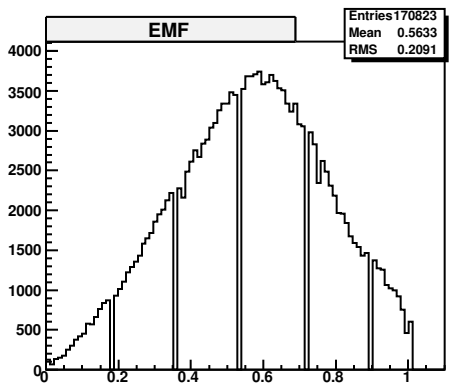
Met (No cuts)

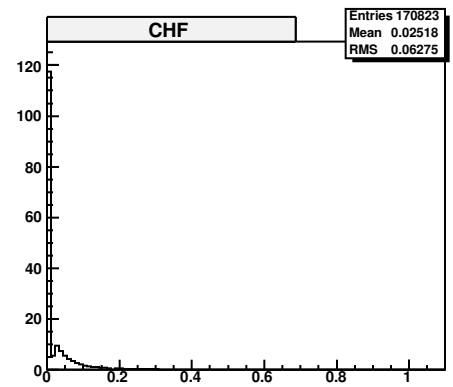


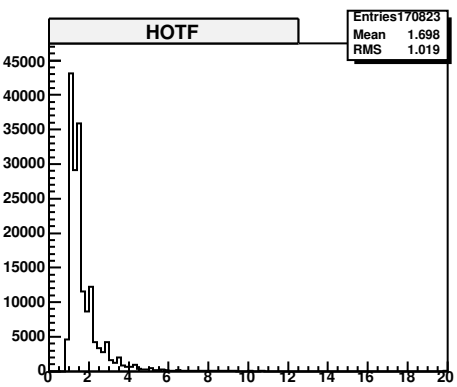


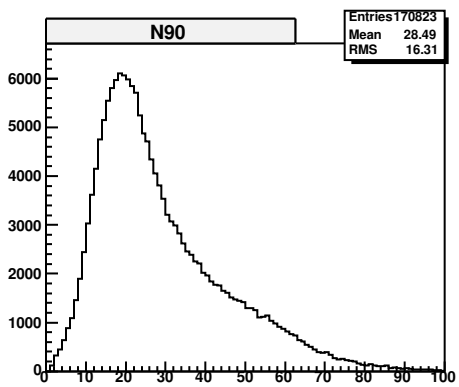


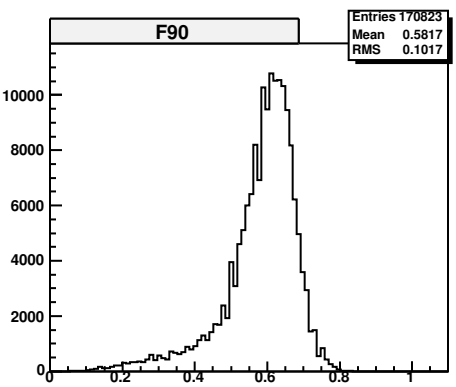


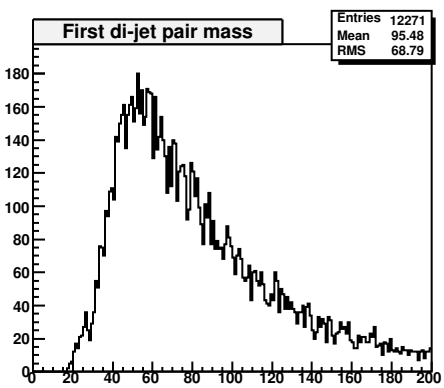


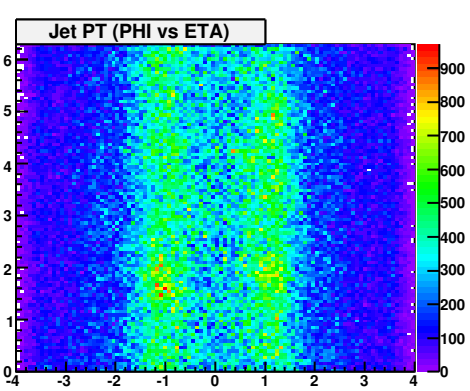




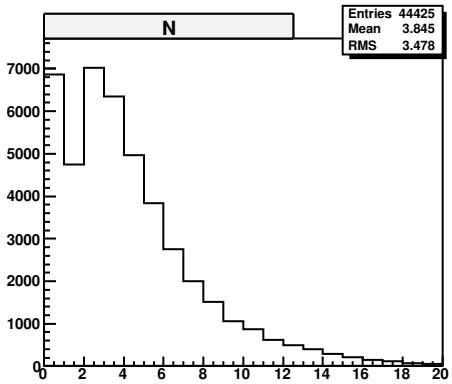


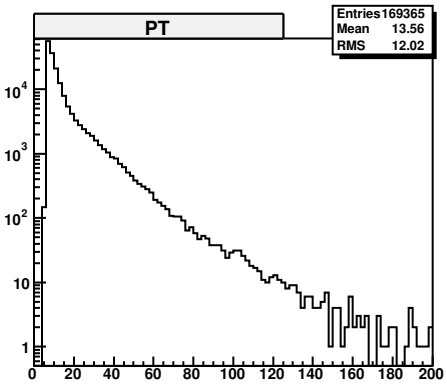


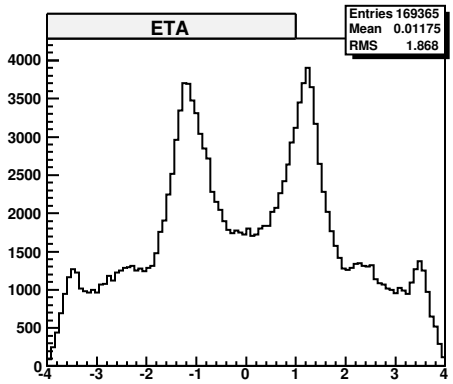


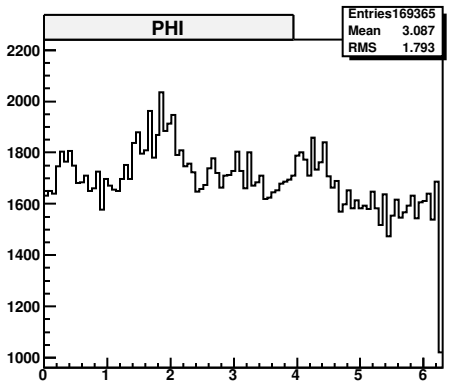


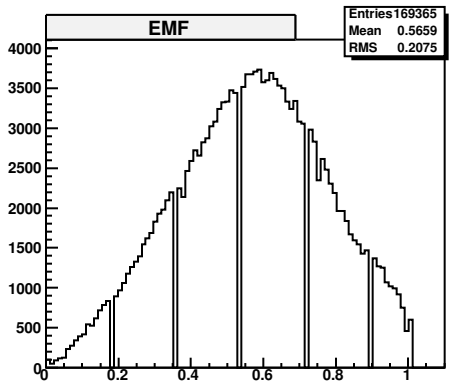
Jets (Cone R 0.7 (no cuts))

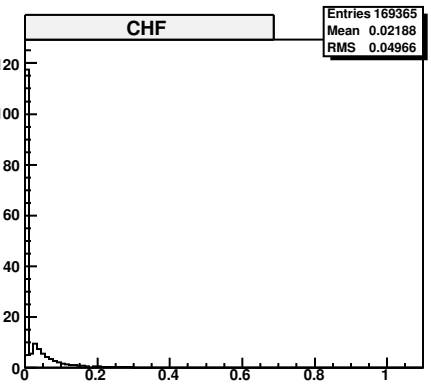


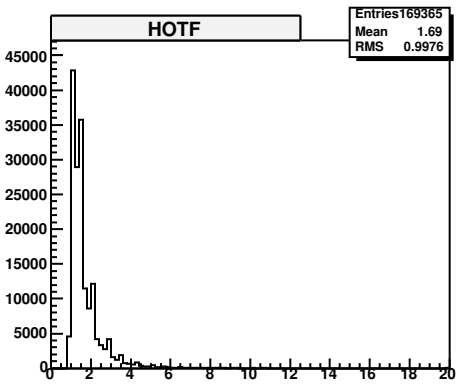


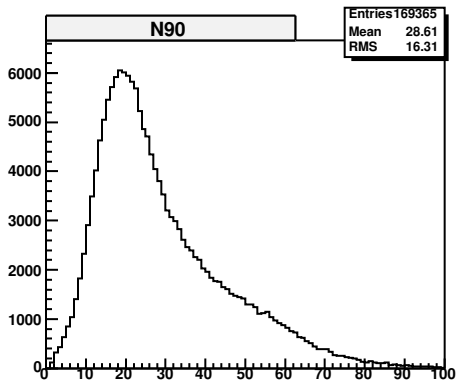


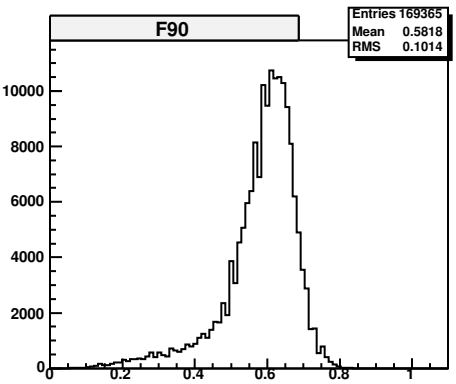


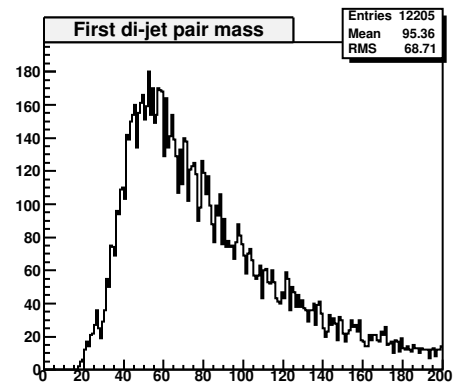


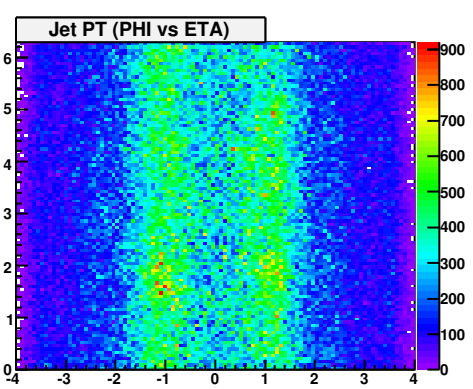




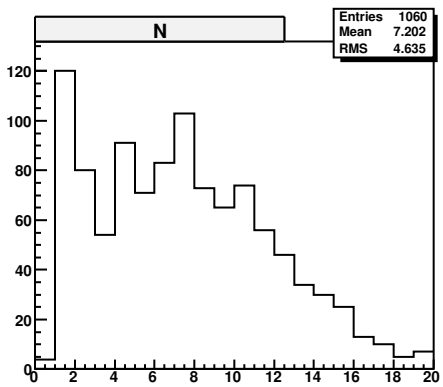


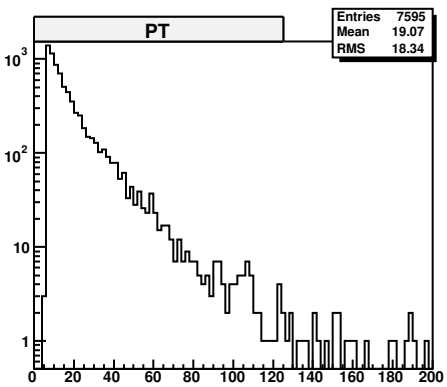


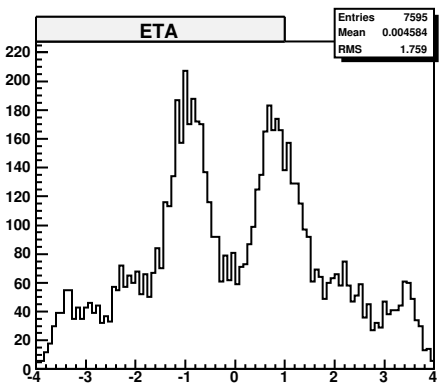


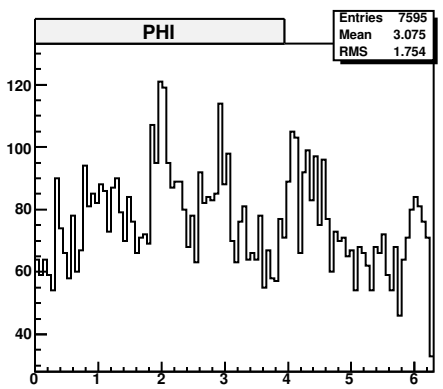


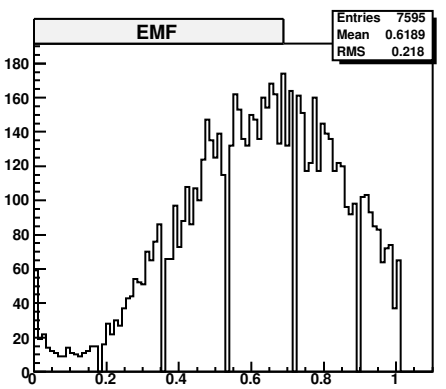
Jets (Cone R 0.7 (standard cuts))

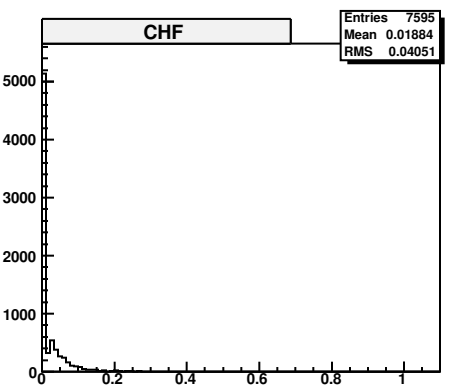


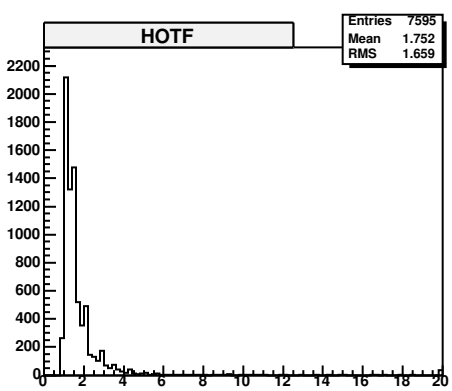


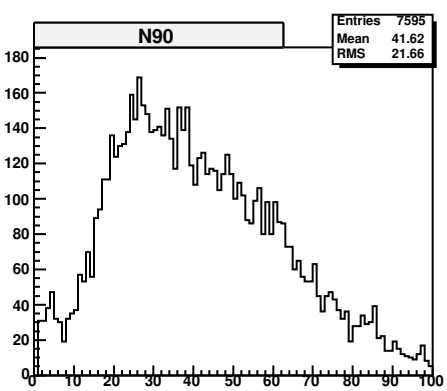


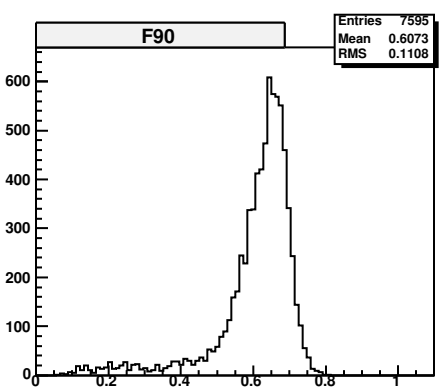


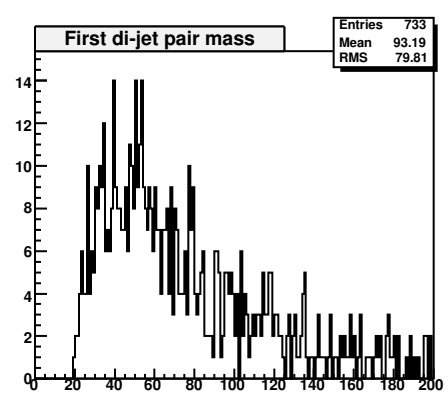


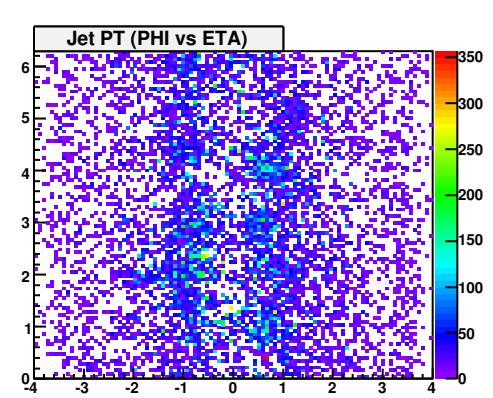




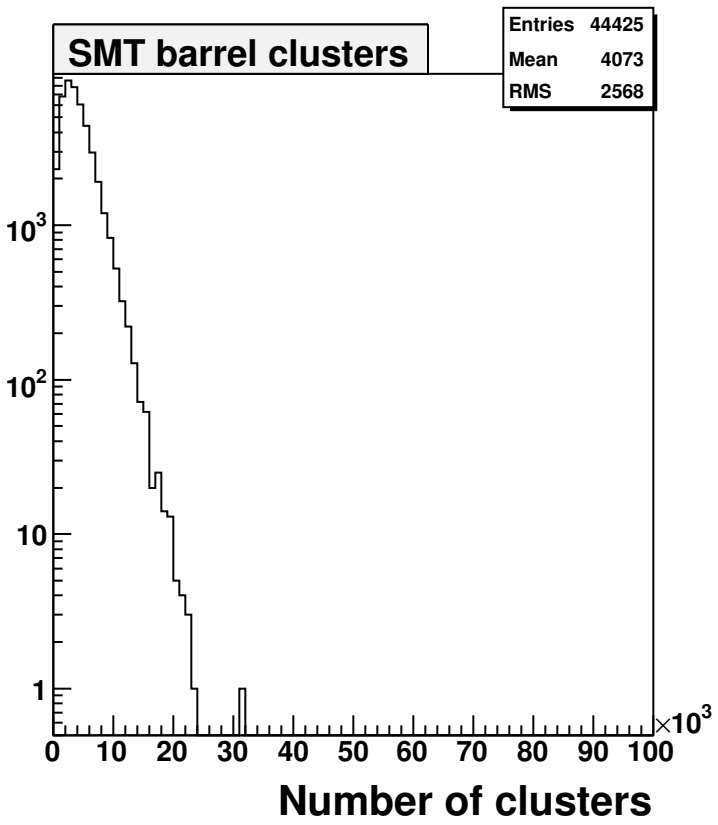


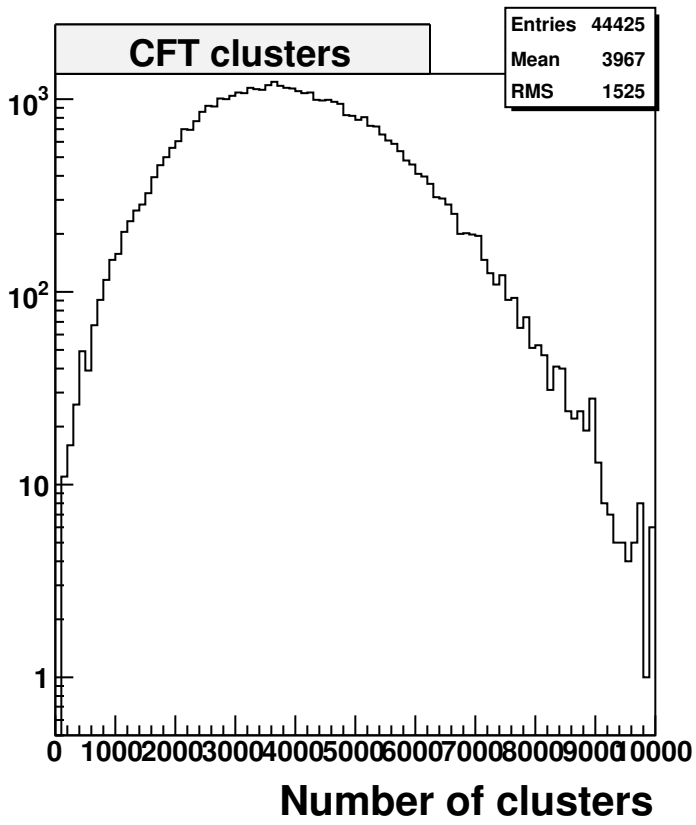


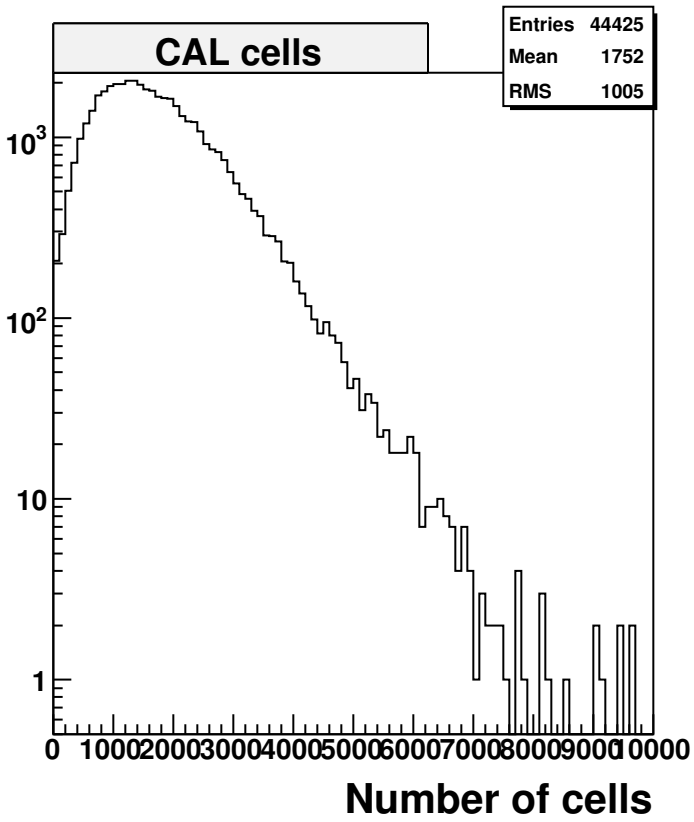


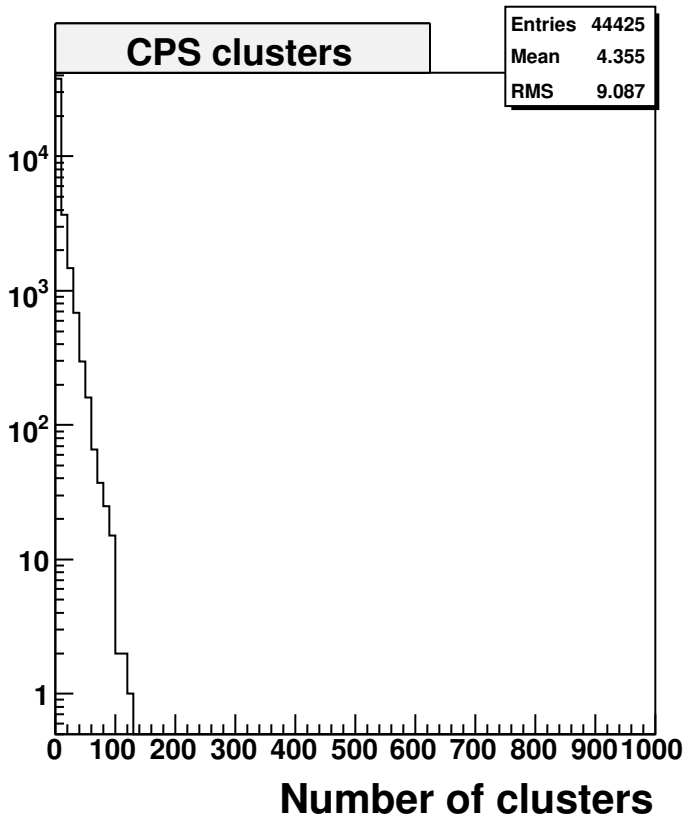


Jets (Cone R 0.7 (standard cuts, MET>30))

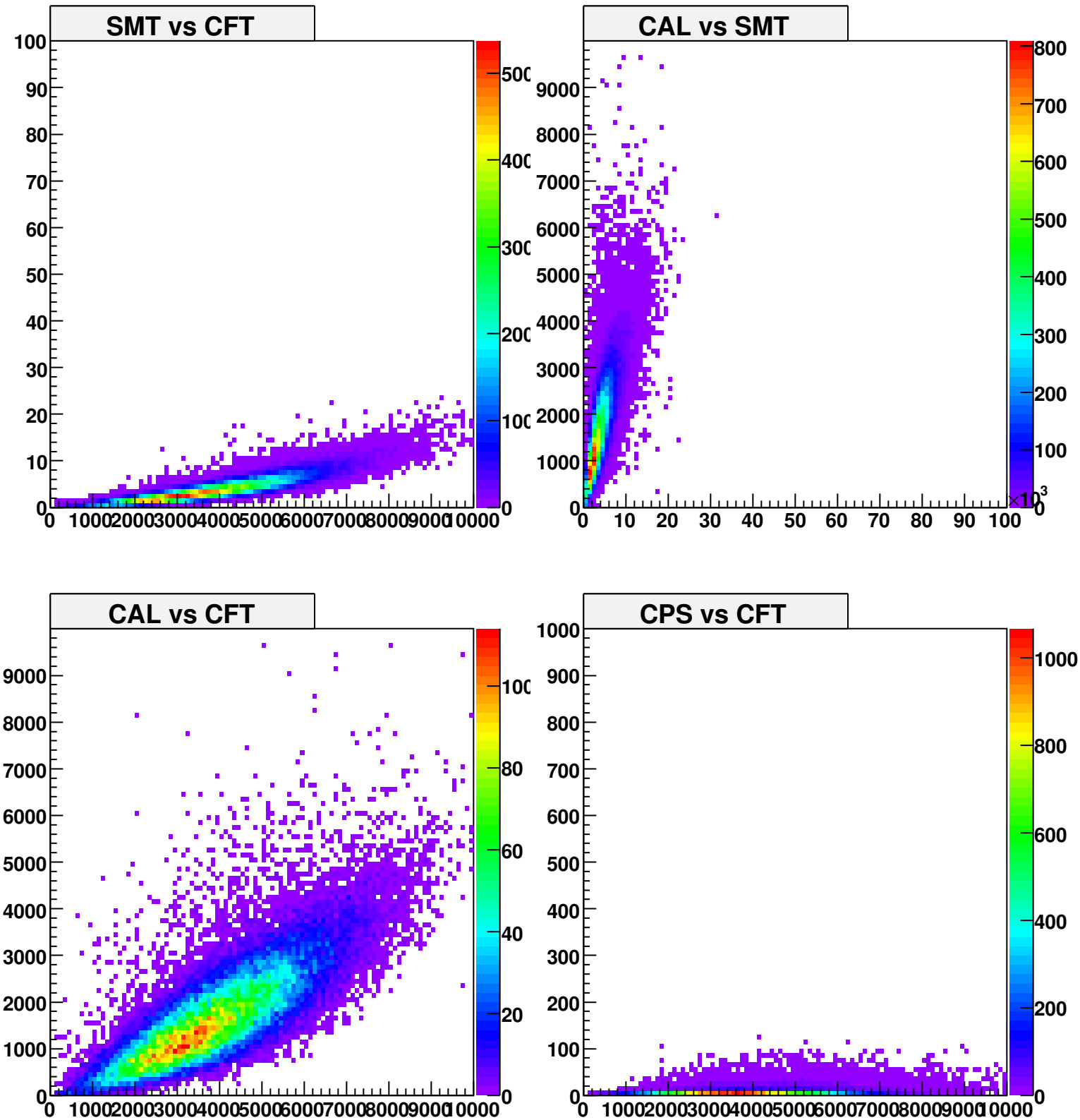


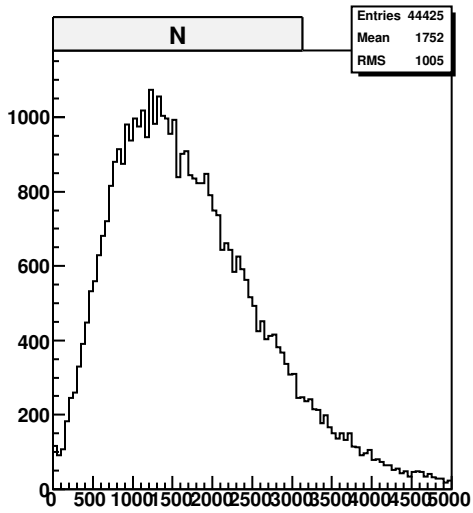


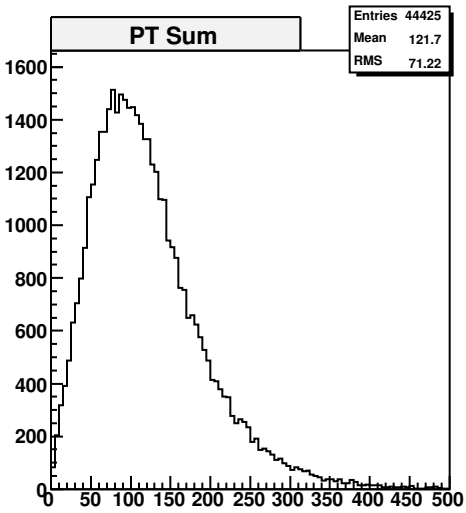


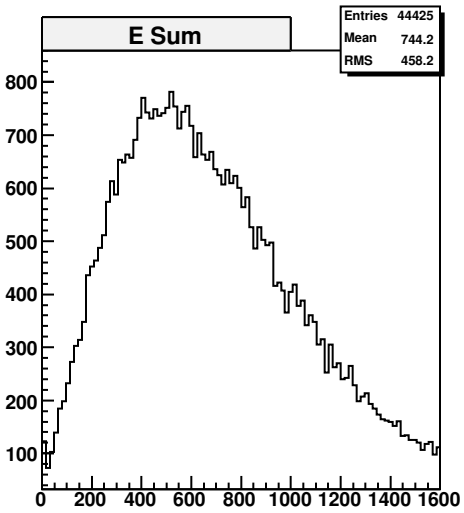


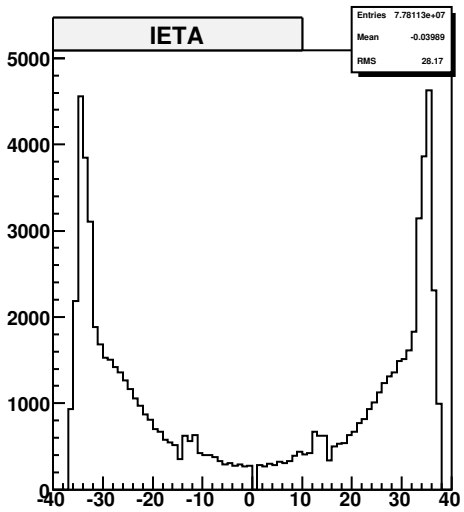
Detector Occupancy (Detector)

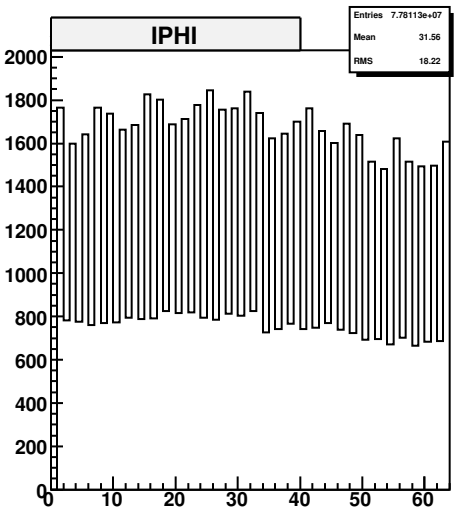

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

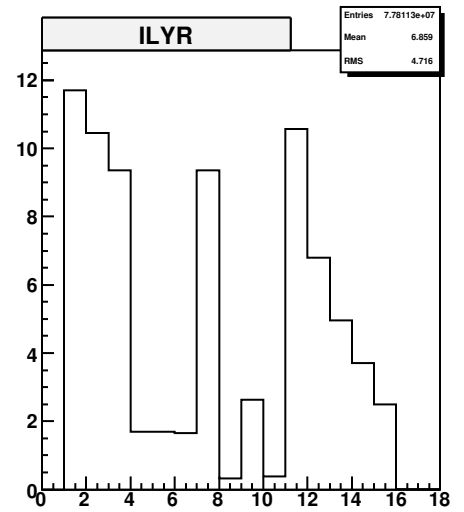


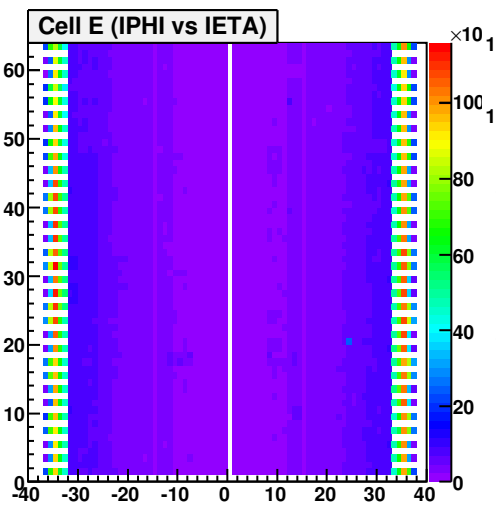


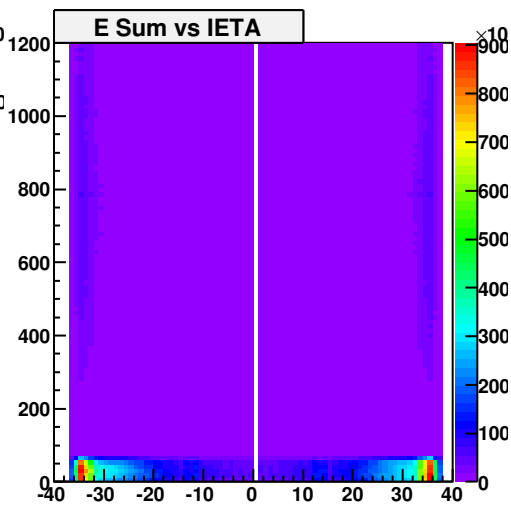


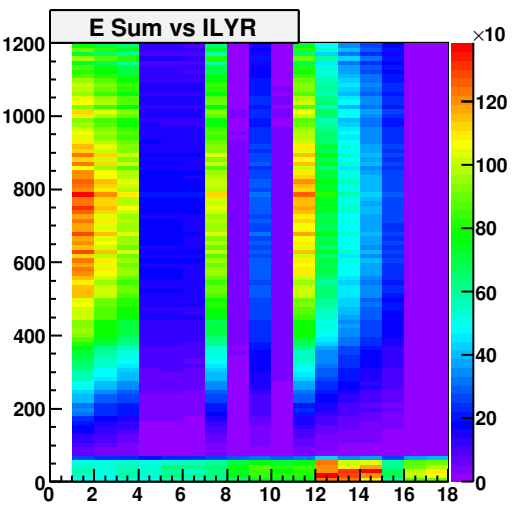




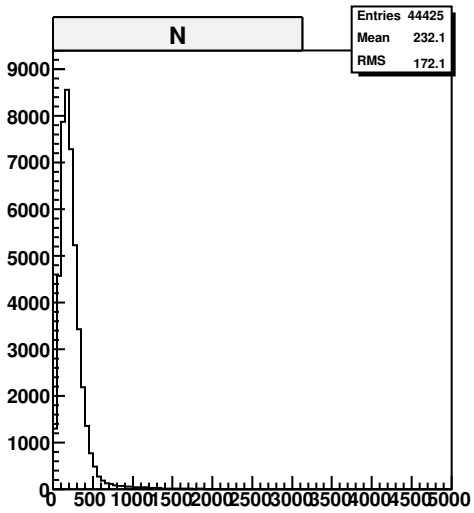


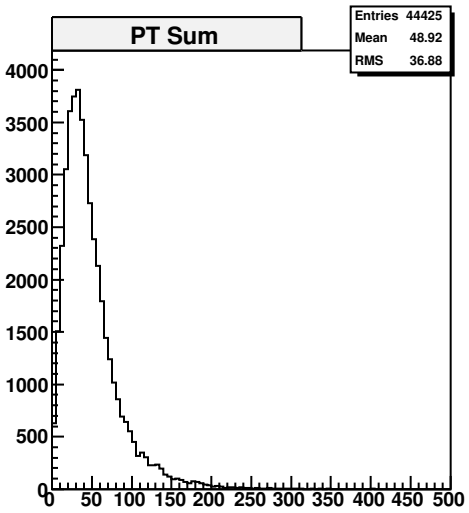


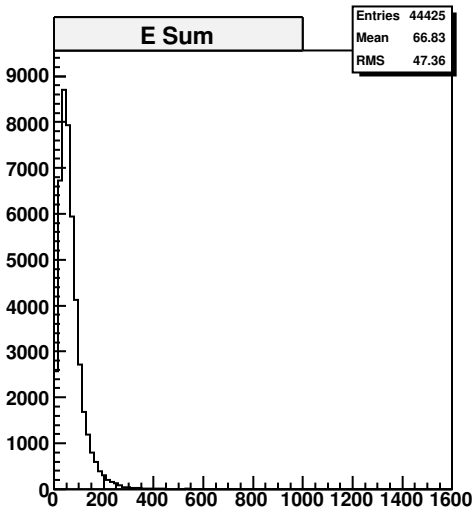


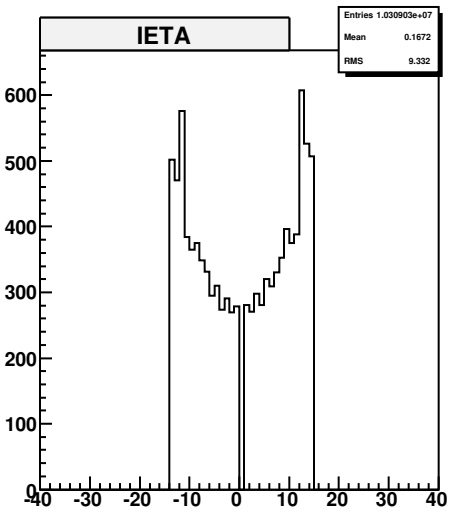


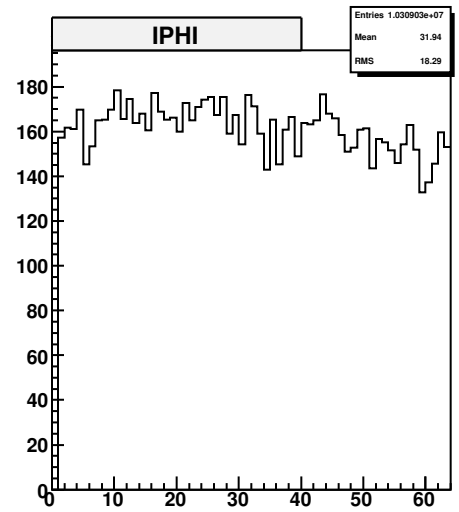
Calorimeter (All cells)

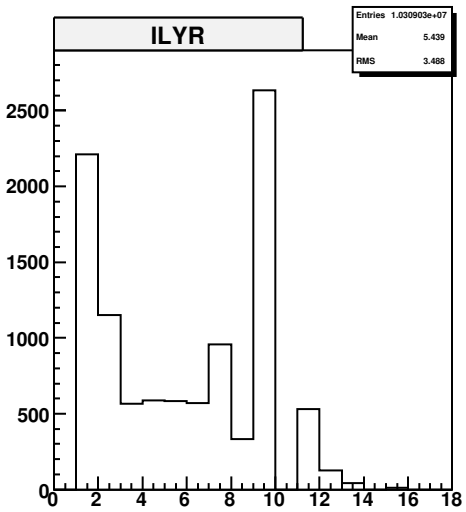


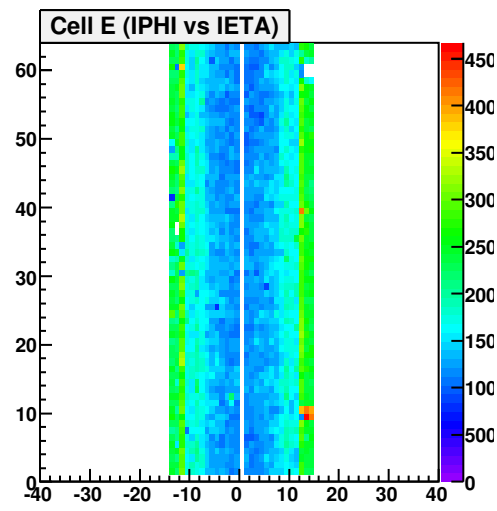


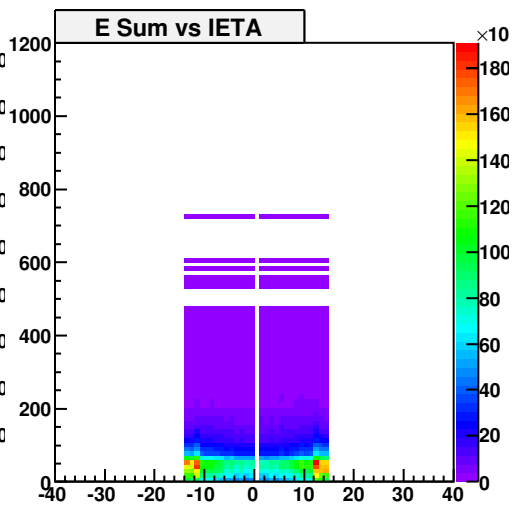


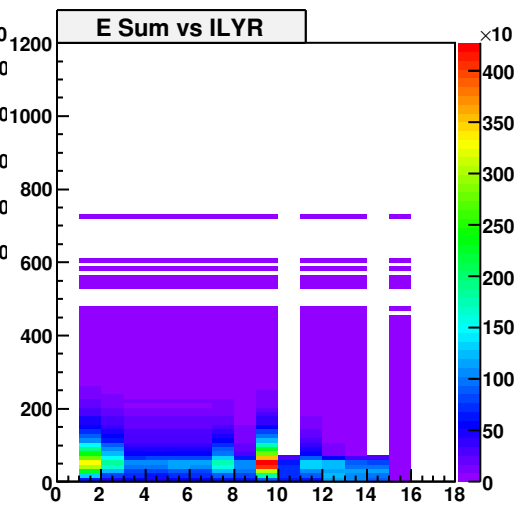




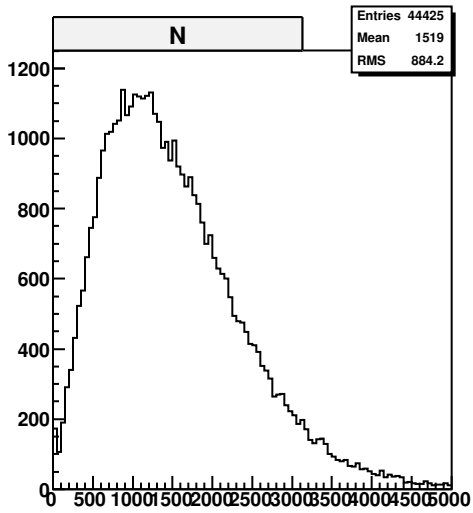


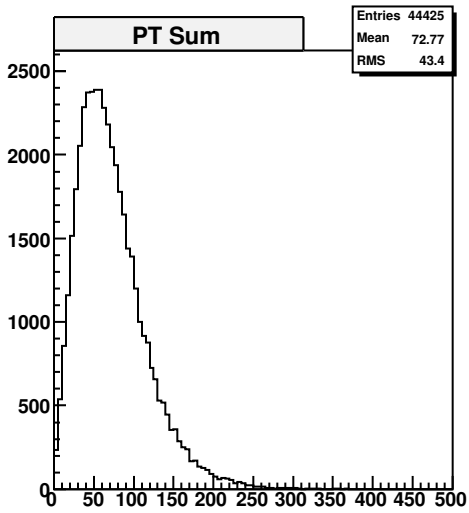


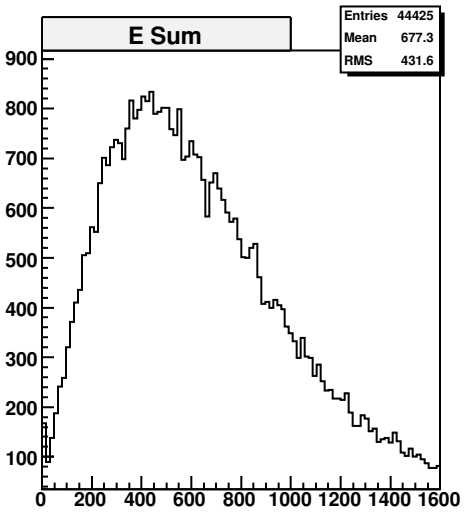


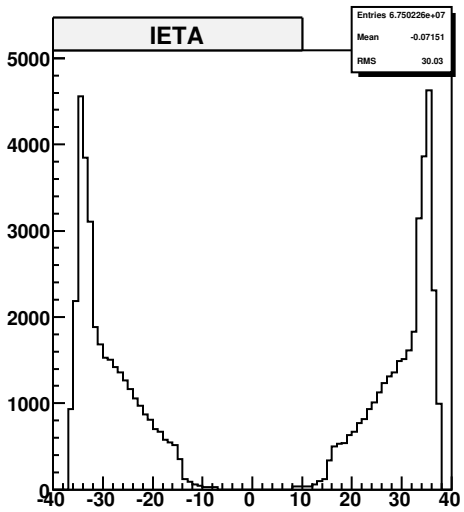


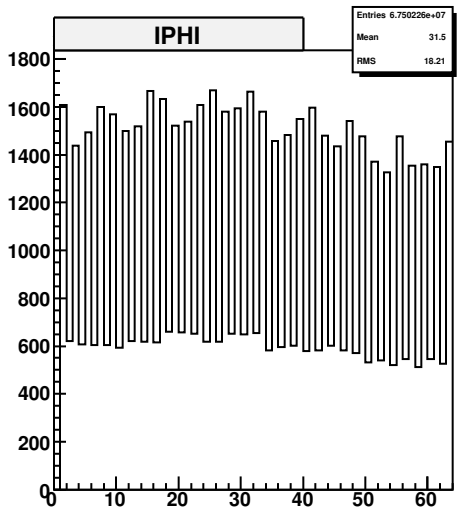
Calorimeter (All CC cells)

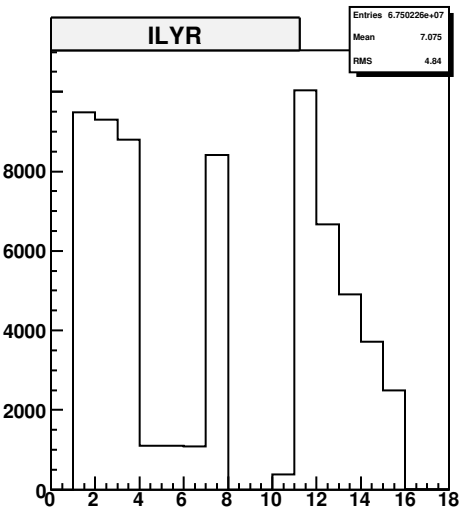


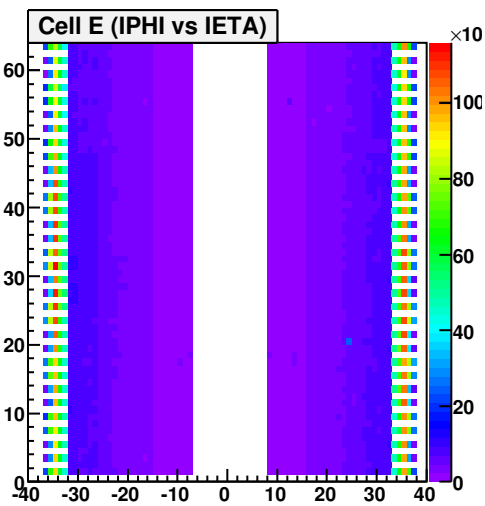


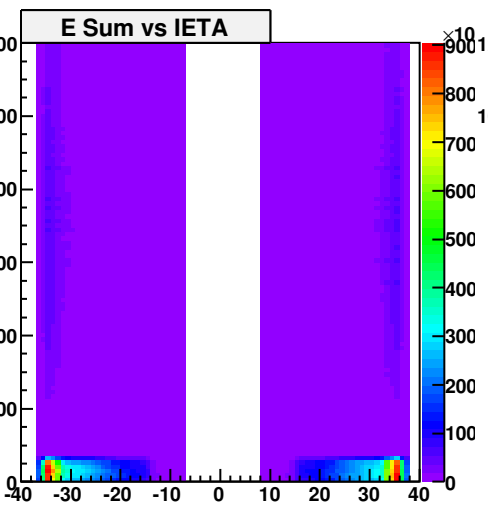


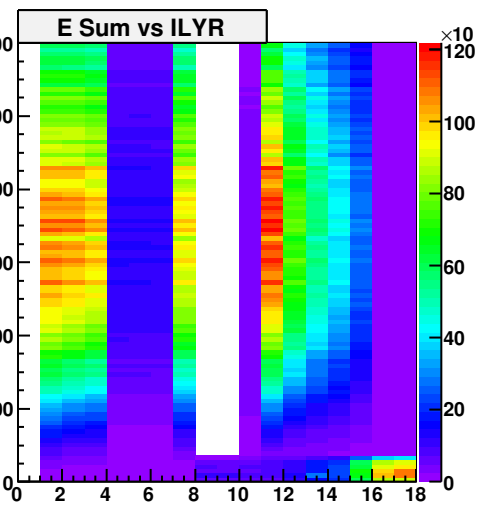




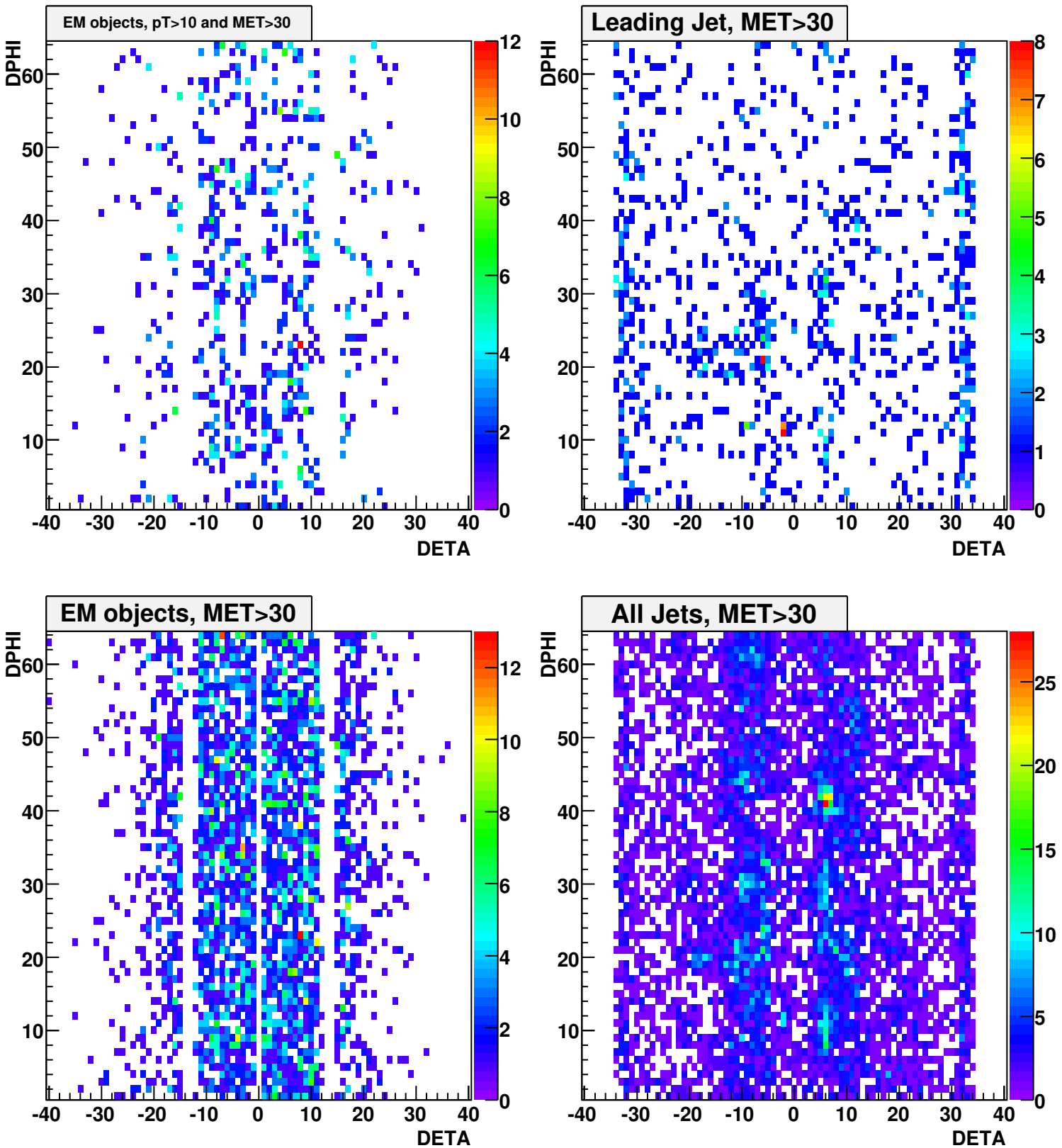




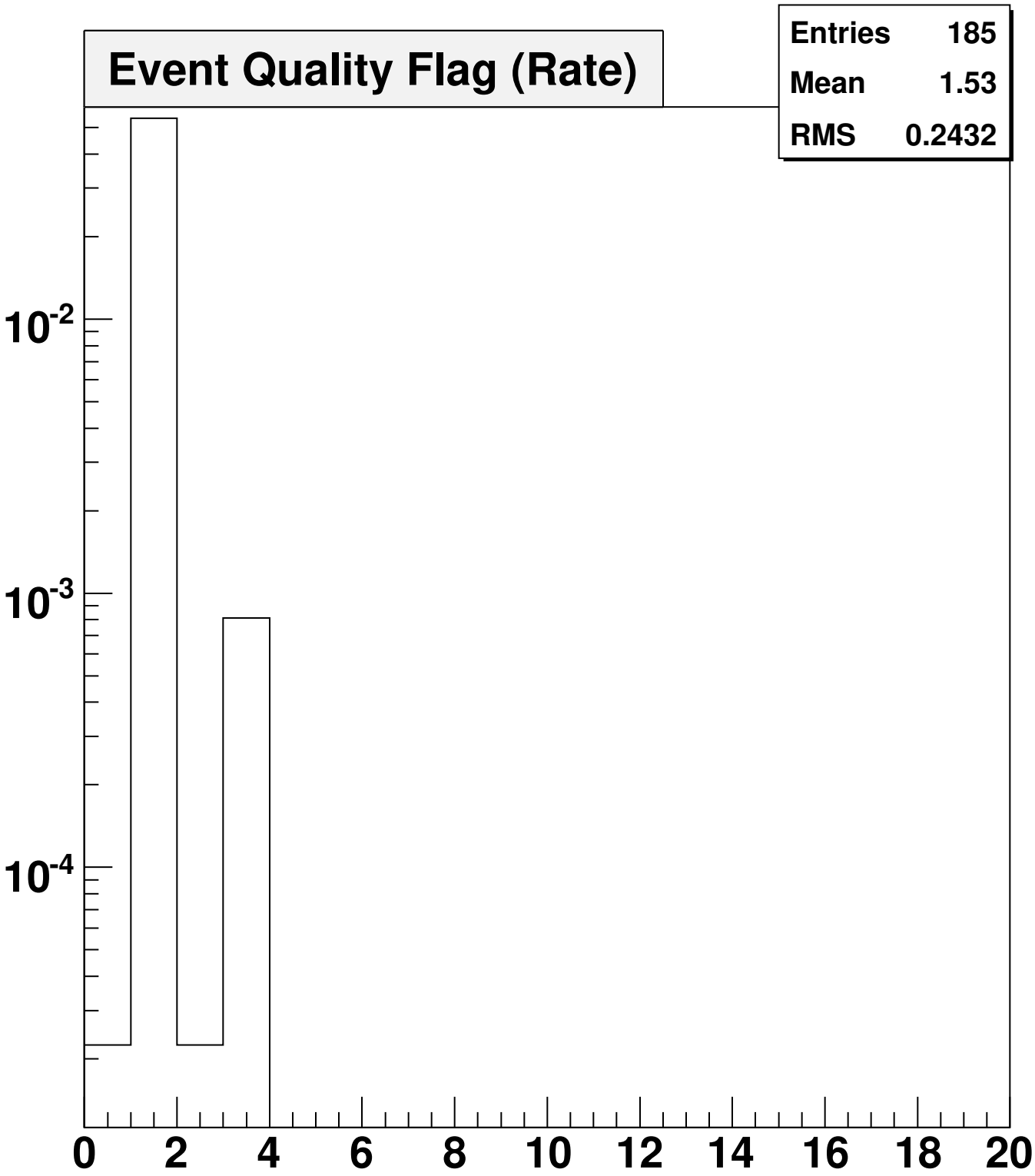


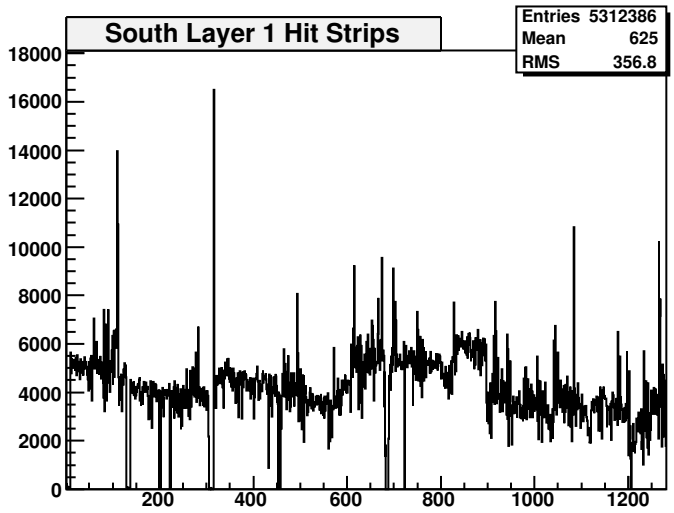


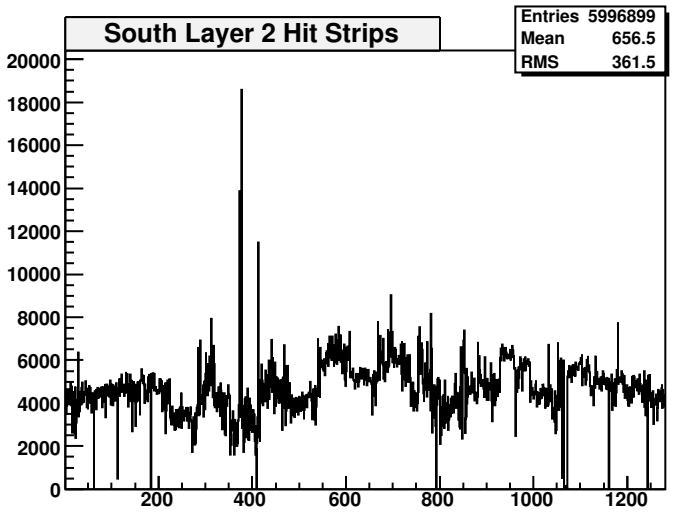
Calorimeter (All EC cells)

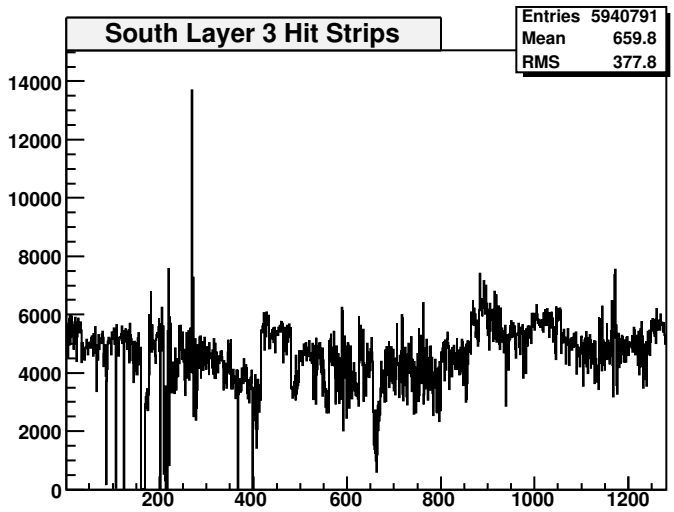


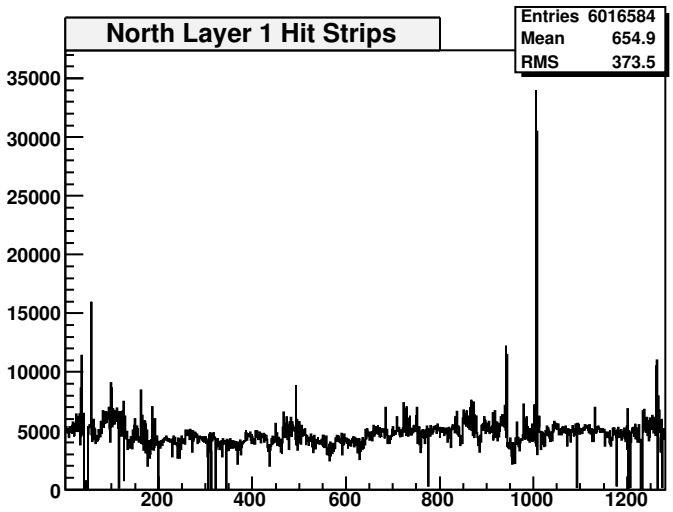
Cal Objects with MET>30 (All cells)

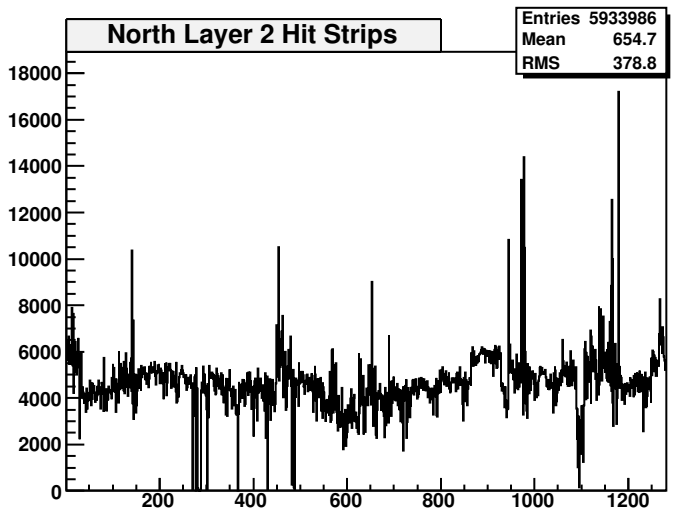

Event Quality Flag (Rate)
Entries 185
Mean 1.53
RMS 0.2432
10-2
10-3
10-4
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

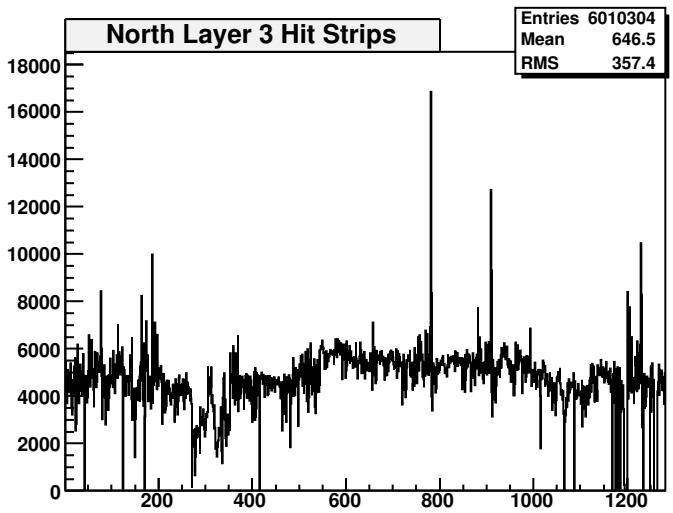




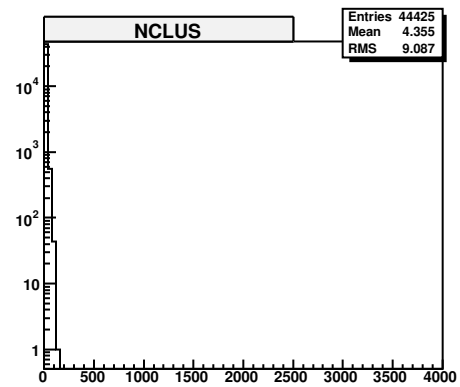


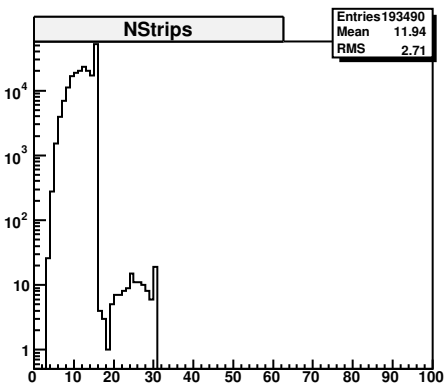


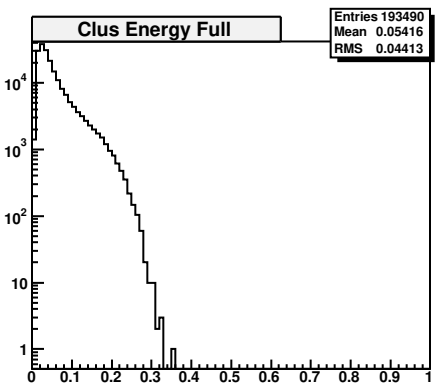


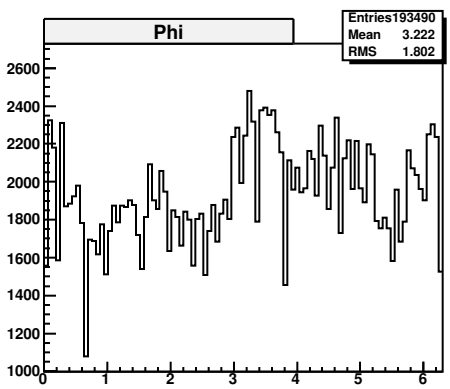


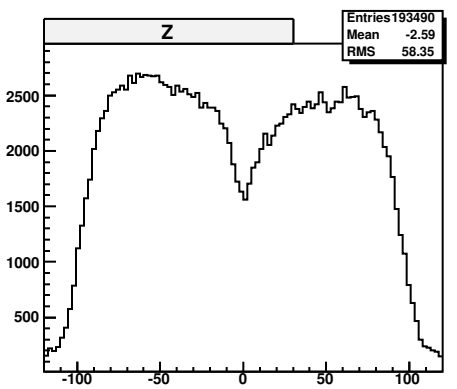
CPS Hit Strips (All Clusters)

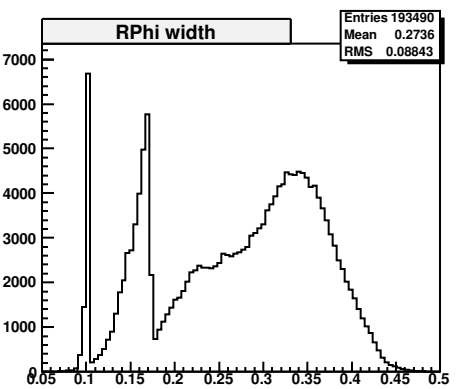


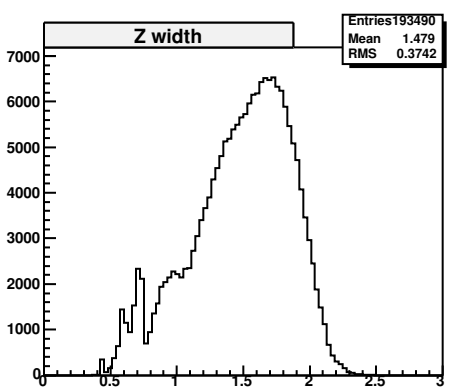


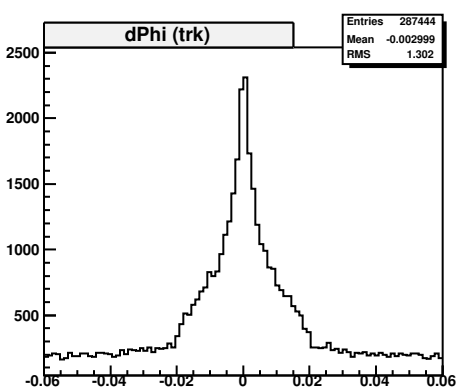


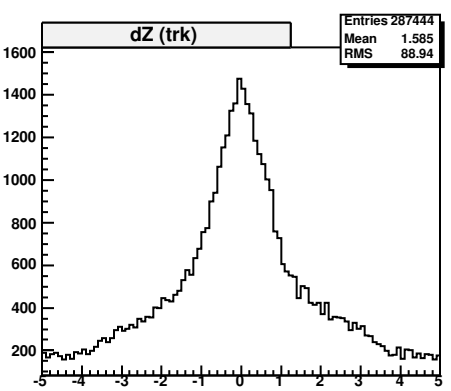


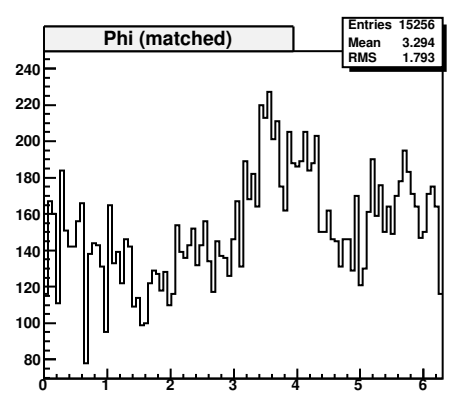


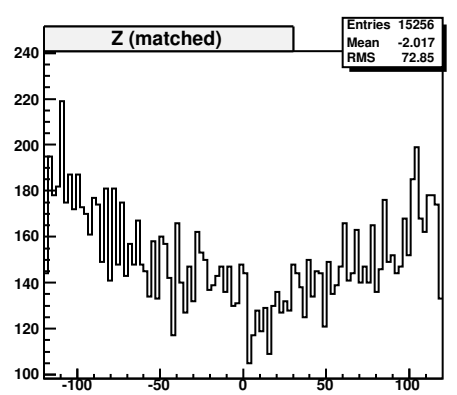




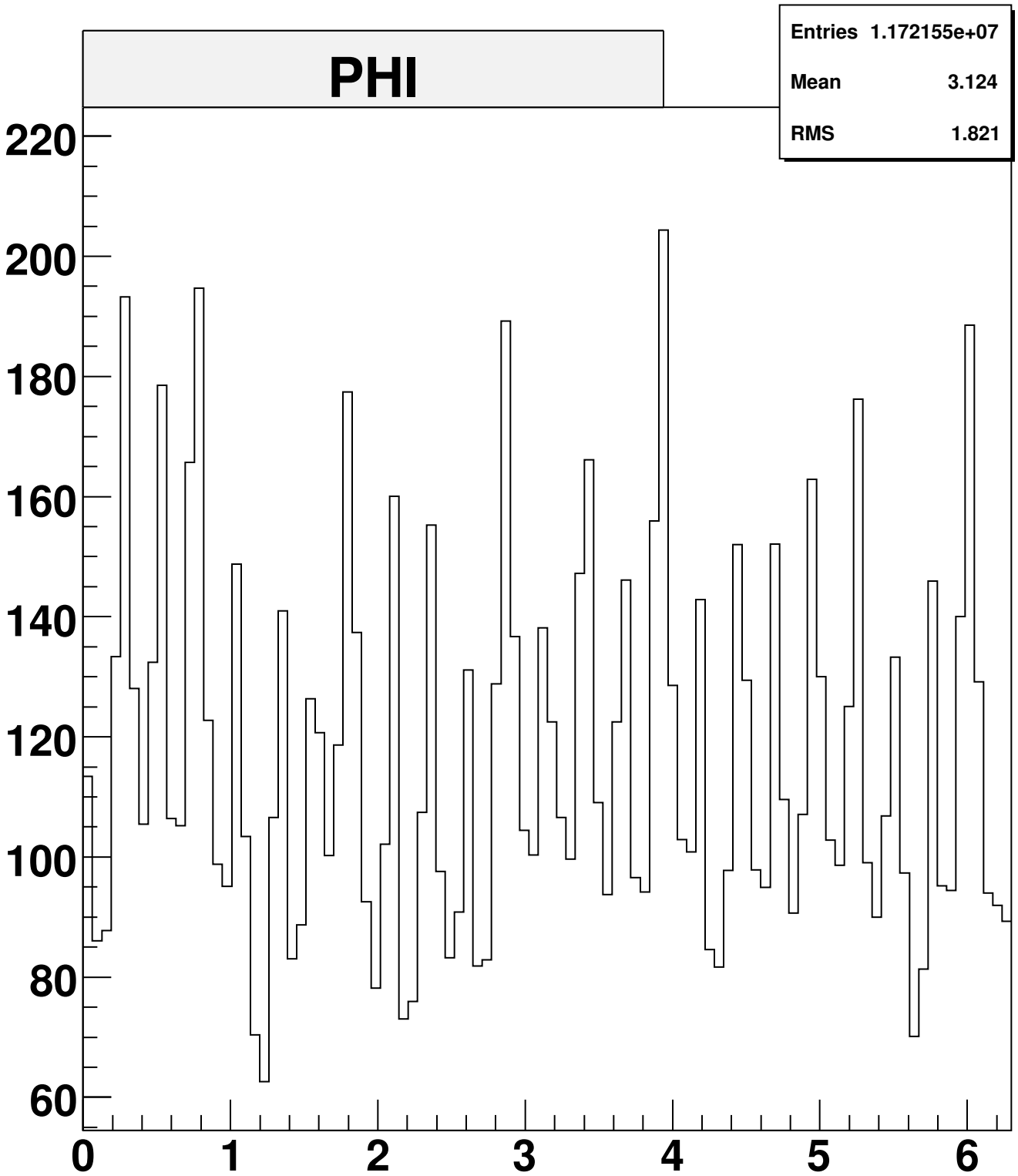


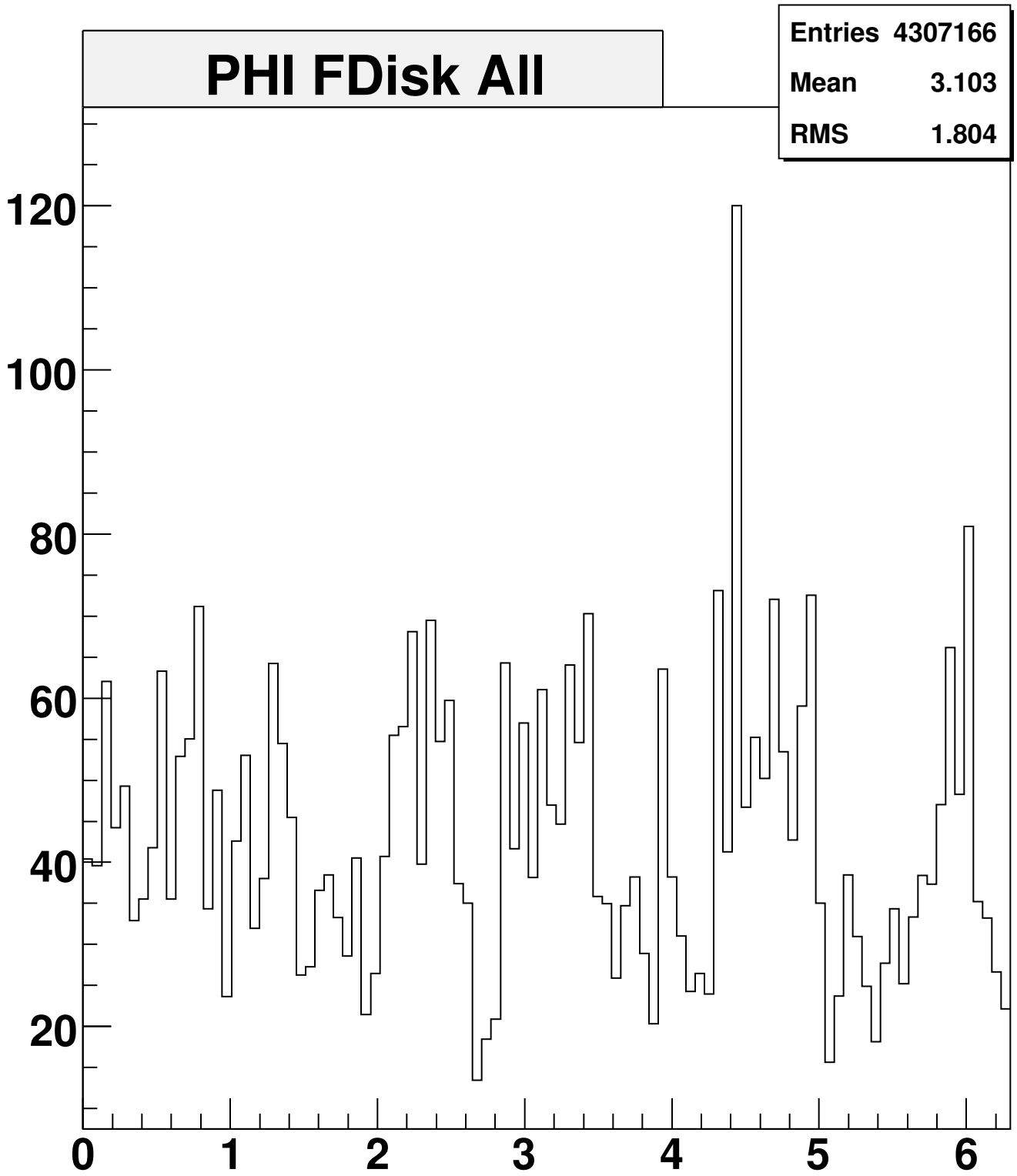


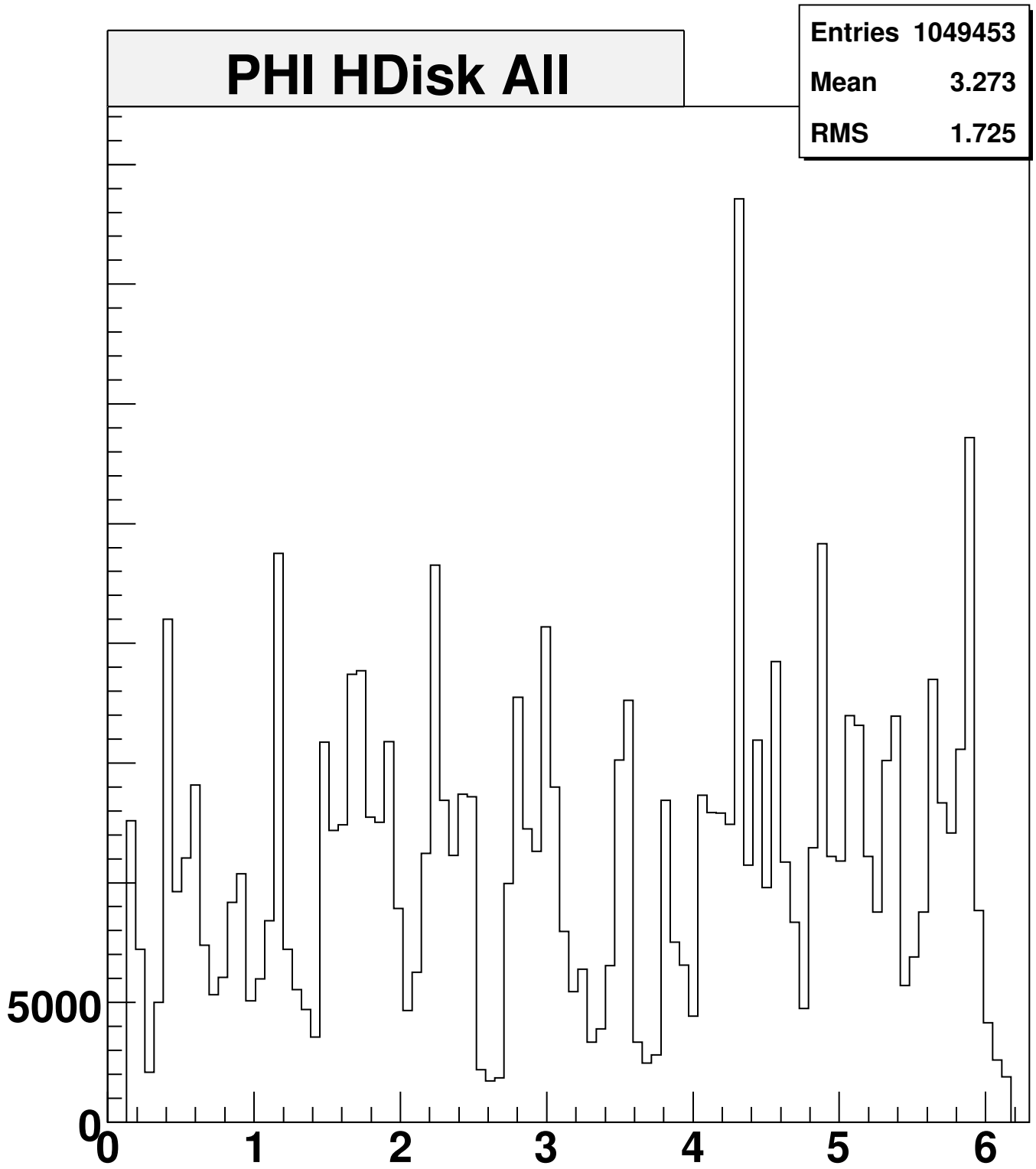


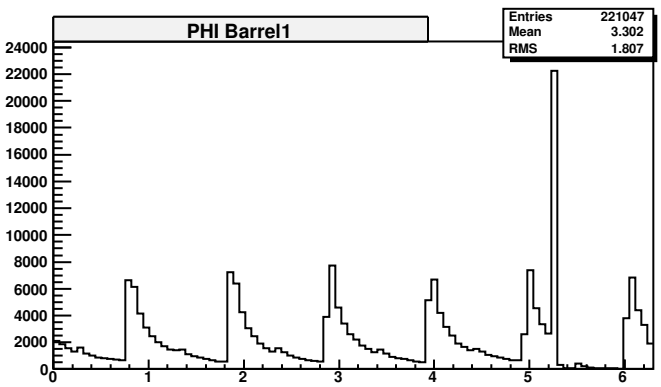


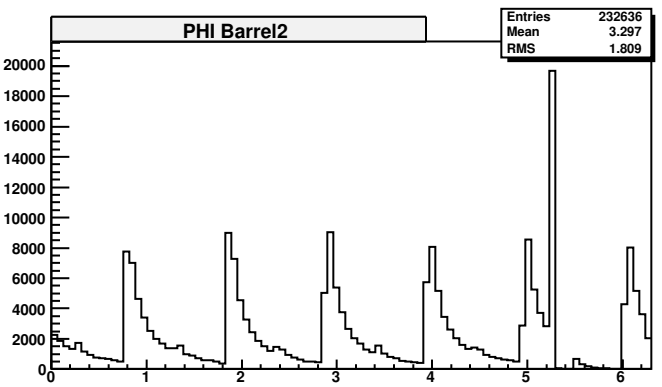
CPS Clusters (All Clusters)

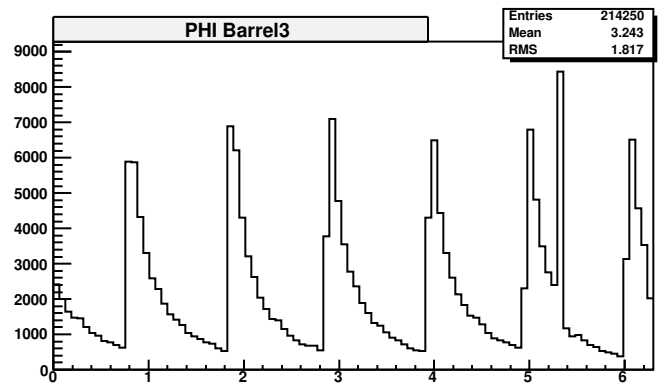

PHI
Entries 1.172155e+07
Mean 3.124
RMS 1.821
220
200
180
160
140
120
100
80
60
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

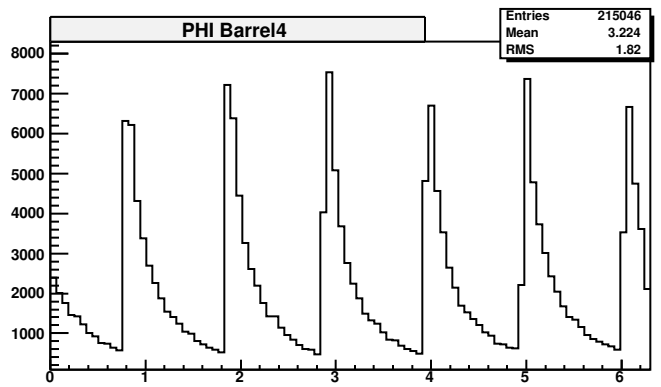

PHI FDisk All
Entries 4307166
Mean 3.103
RMS 1.804
120
100
80
60
40
20
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

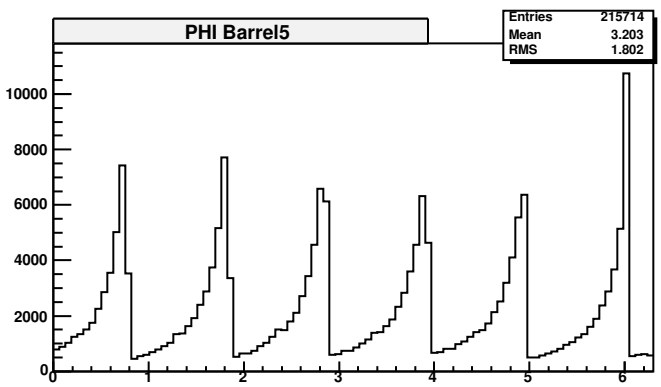

PHI HDisk All
Entries 1049453
Mean 3.273
RMS 1.725
5000
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

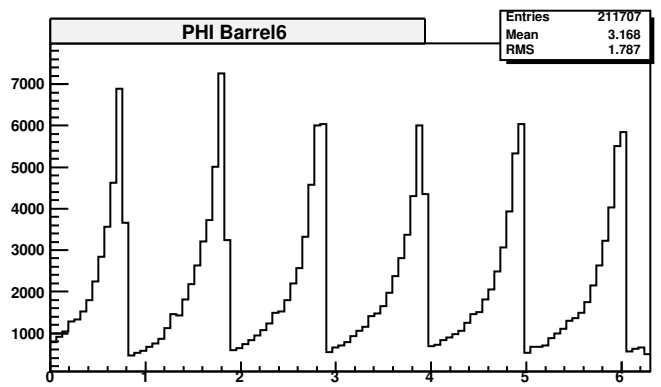


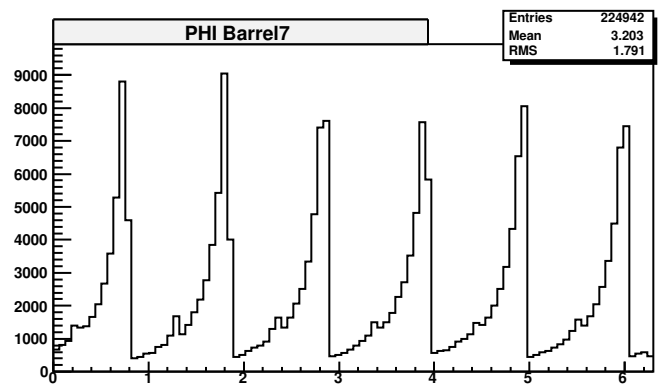


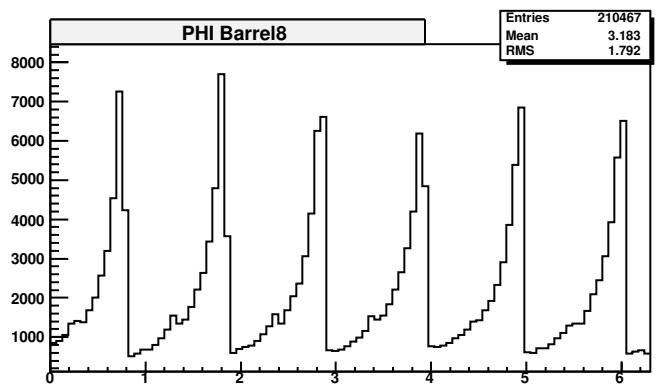




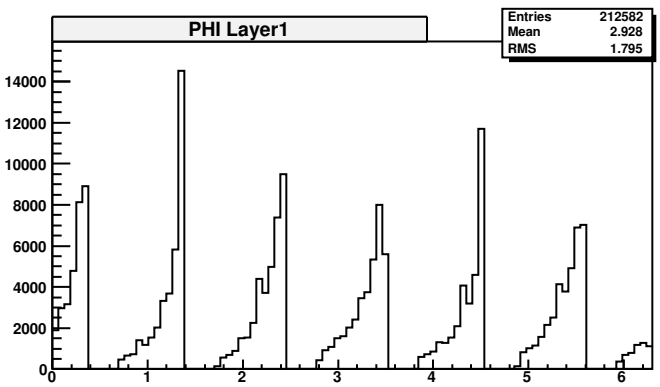


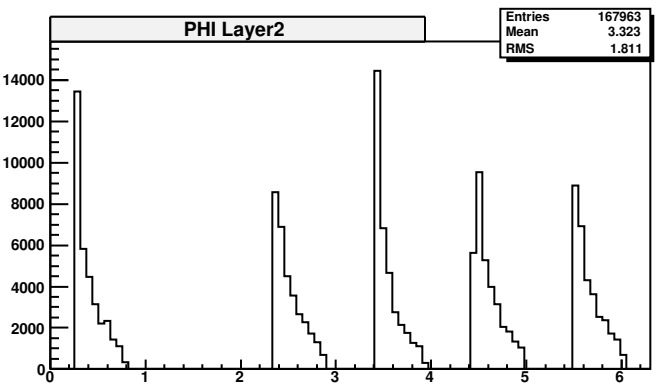


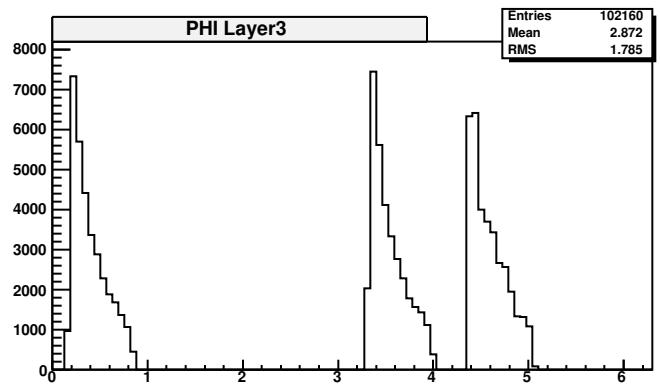


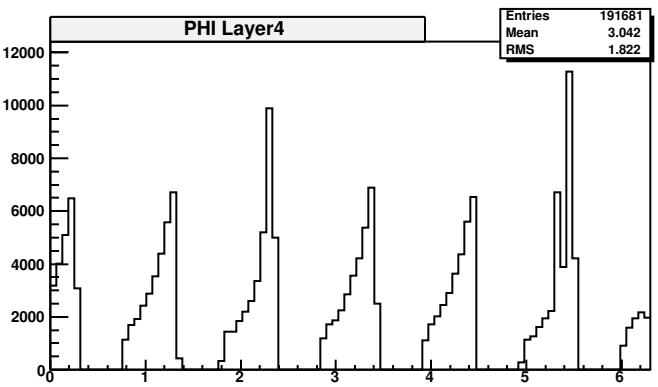


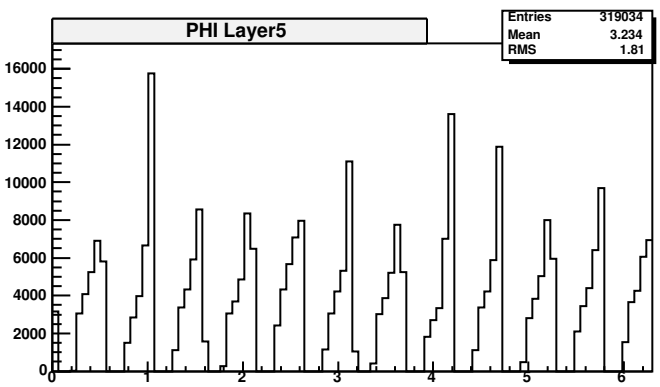
SmtClusters (ClustrLayer0)

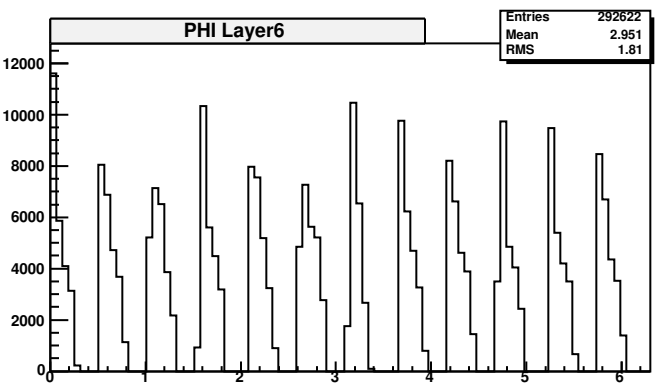


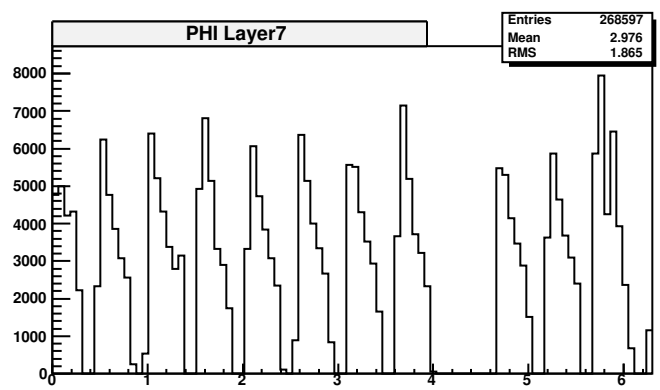


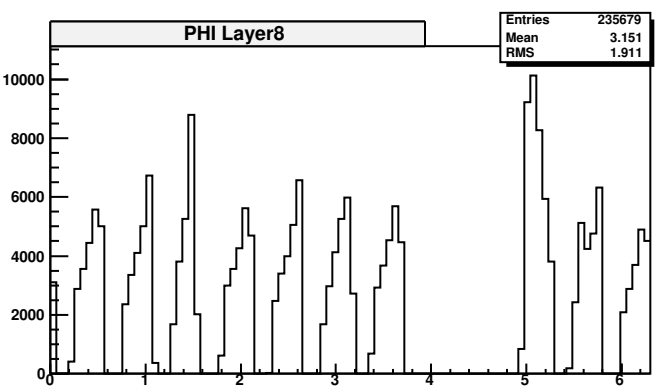




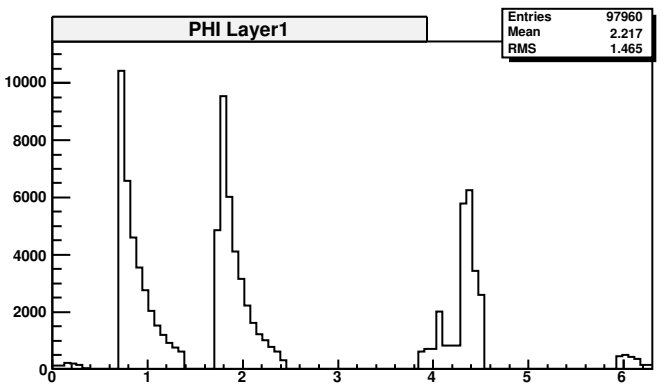


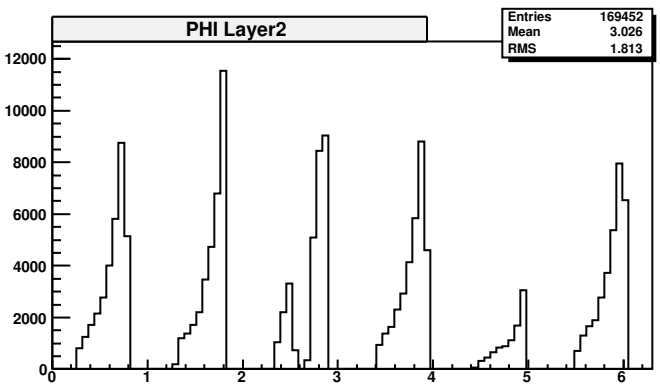


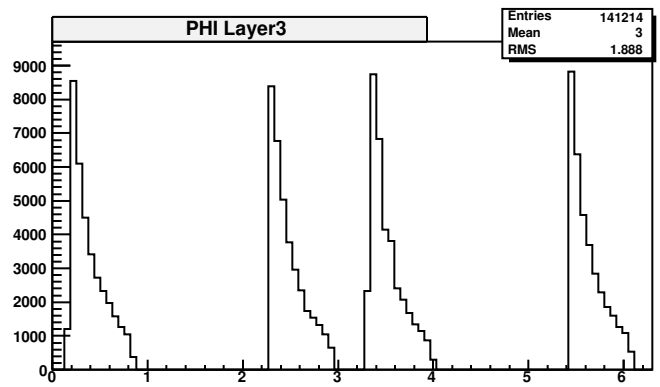


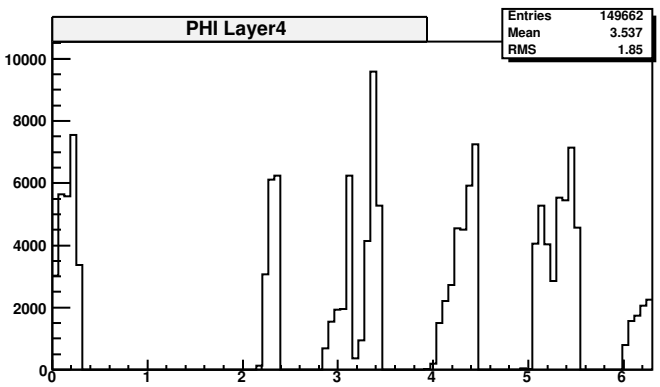


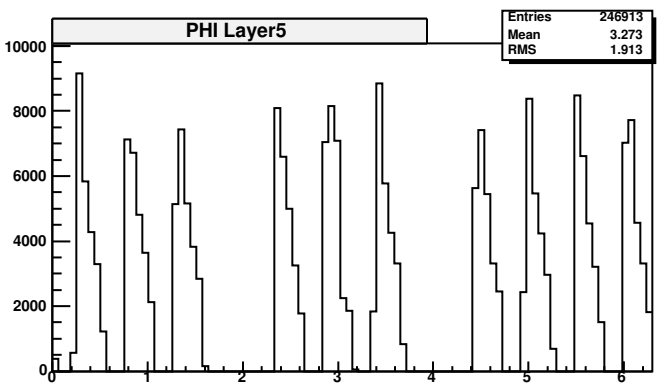
SmtClusters (ClustrBar1)

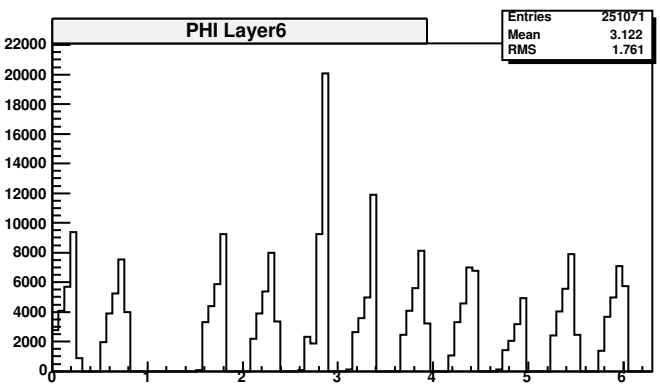


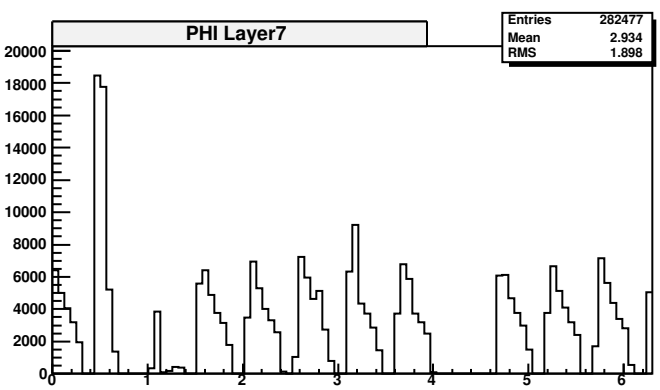


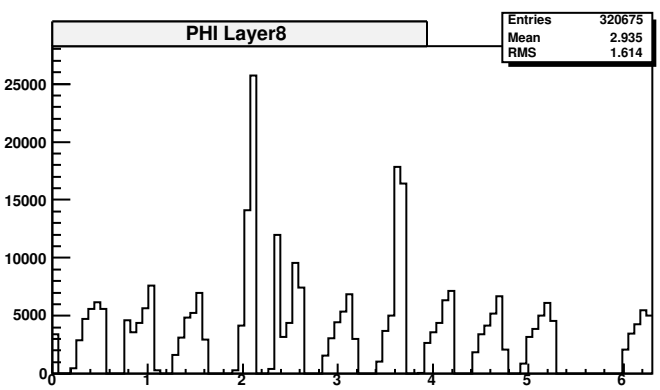




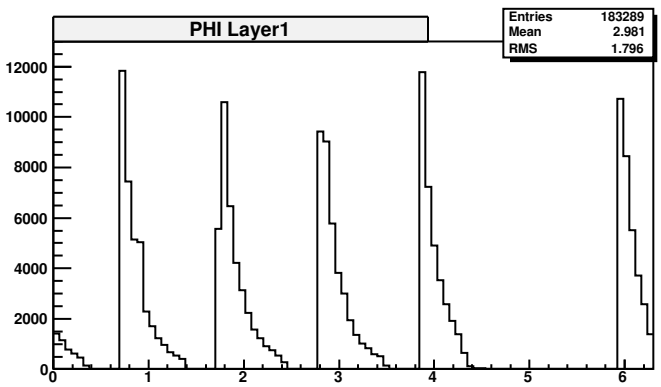


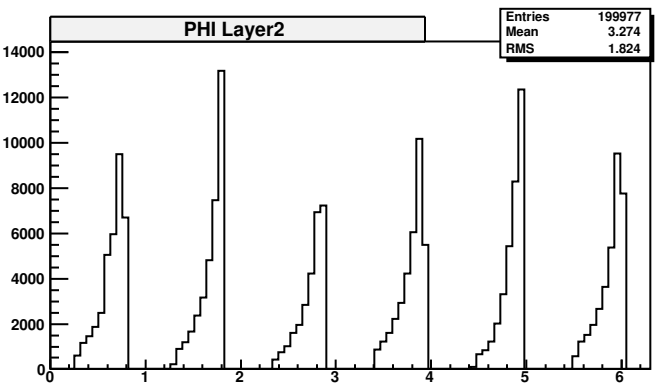


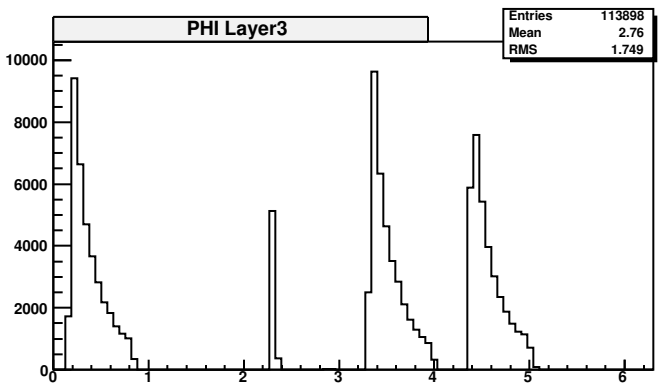


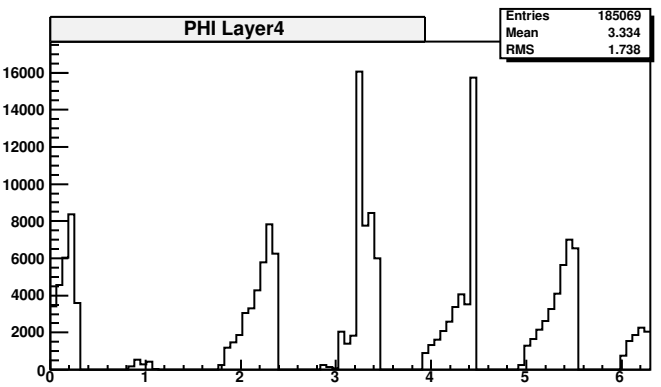


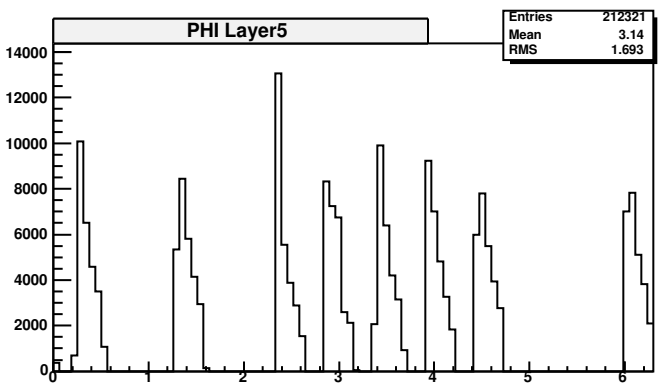
SmtClusters (ClustrBar2)

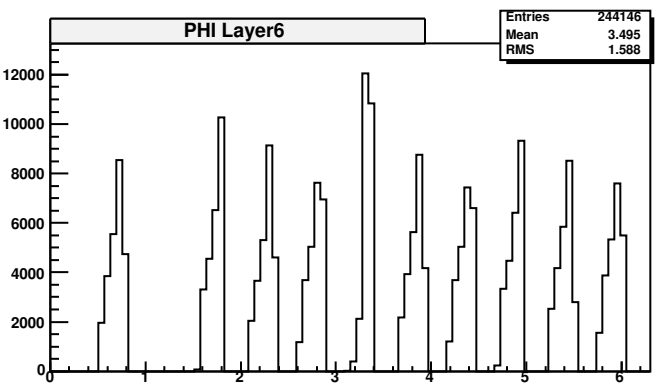


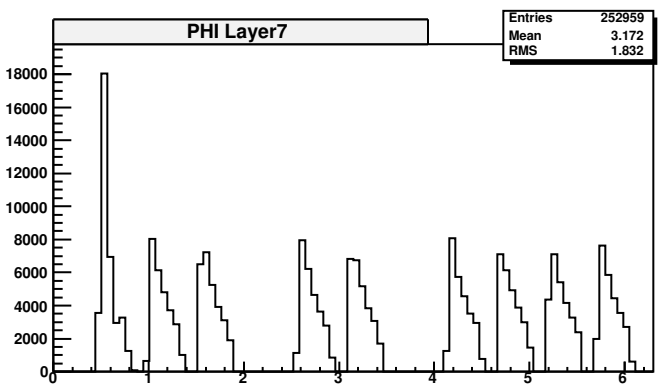


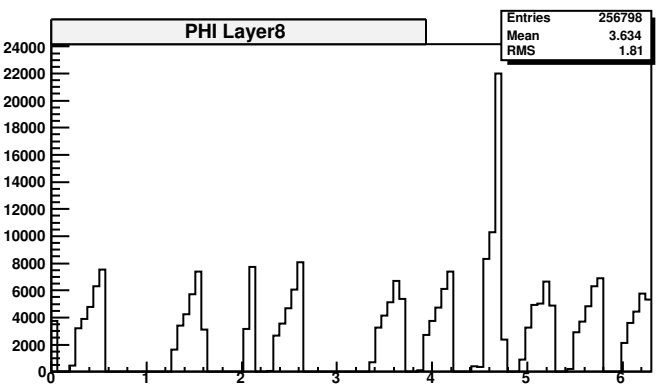




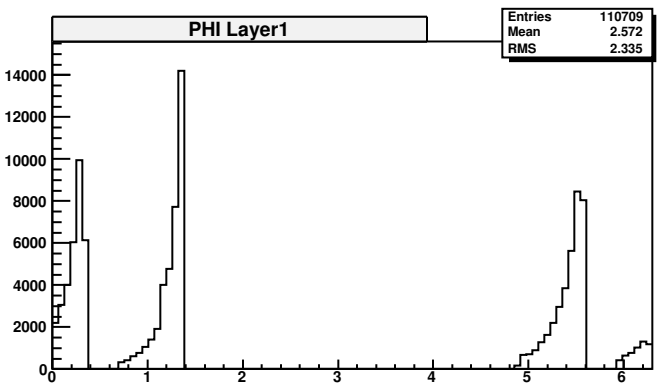


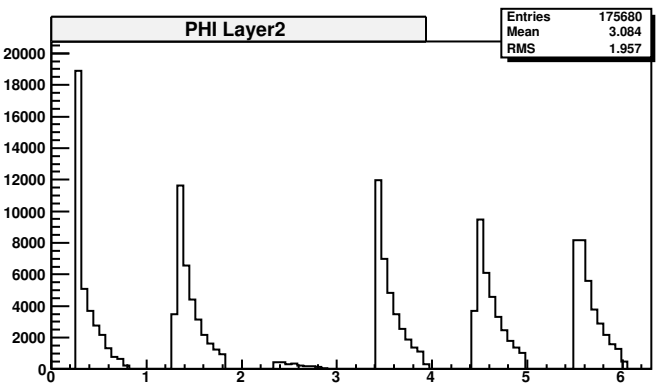


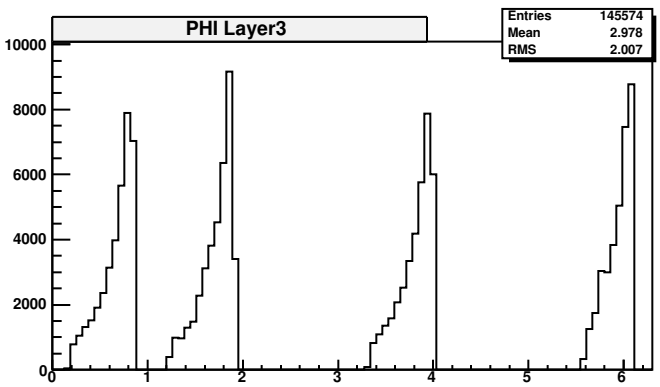


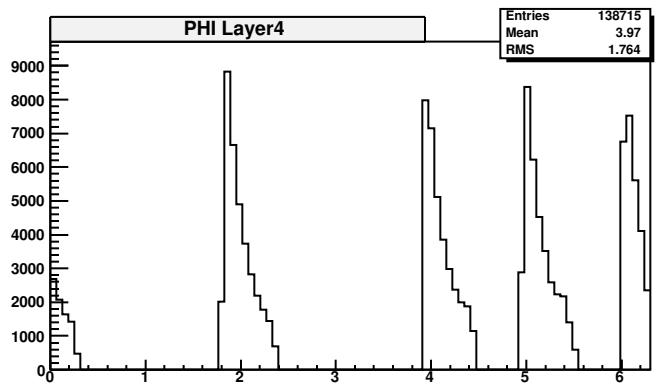


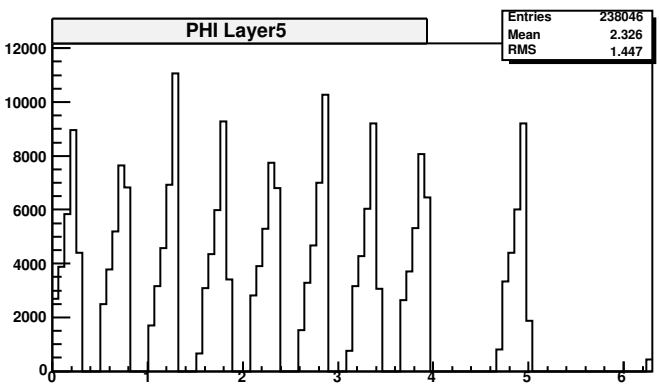
SmtClusters (ClustrBar3)

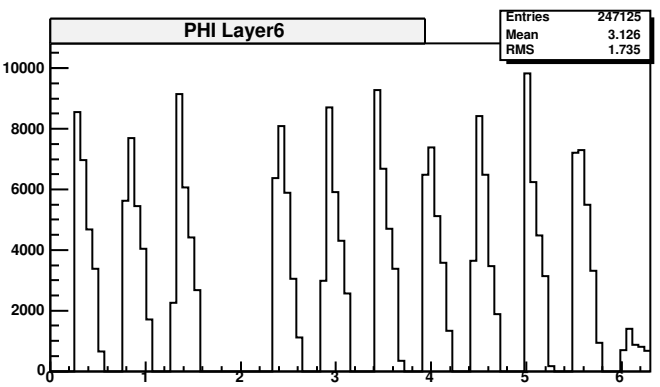


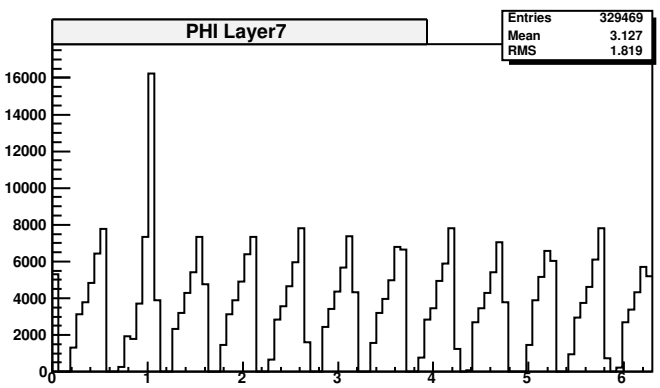


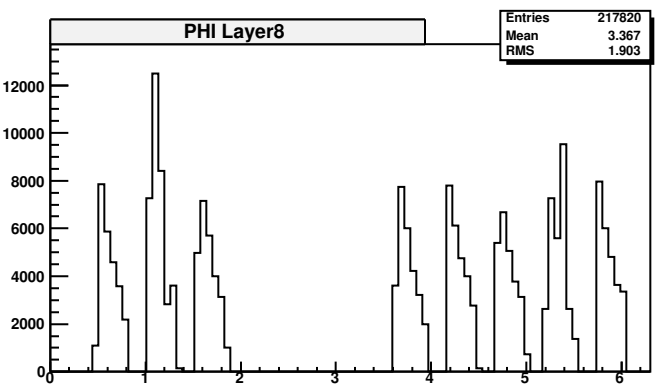




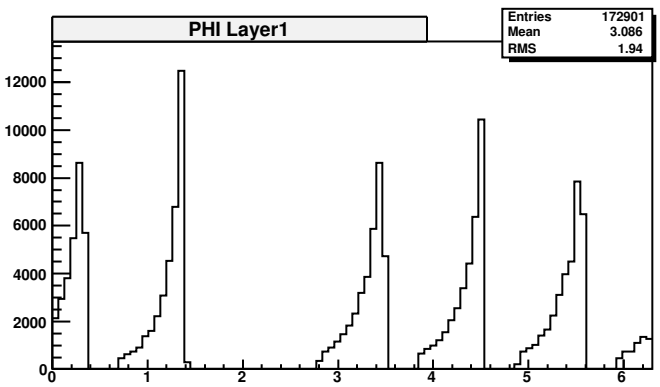


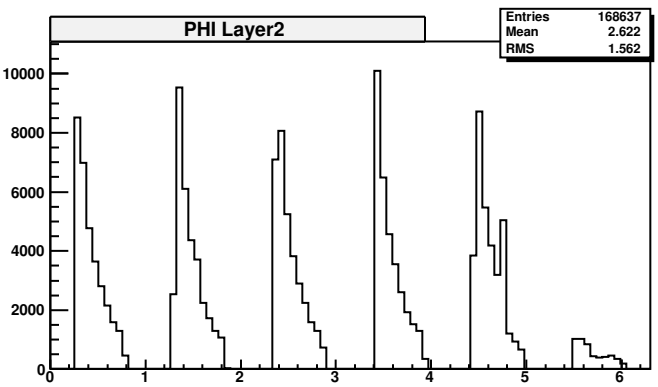


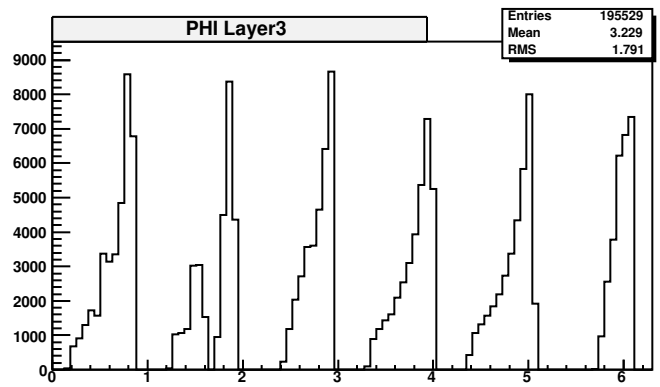


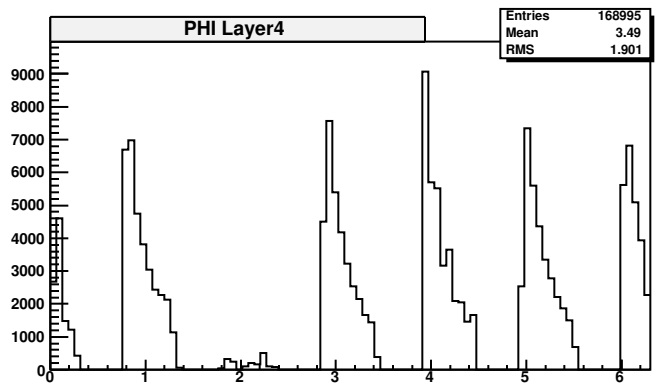


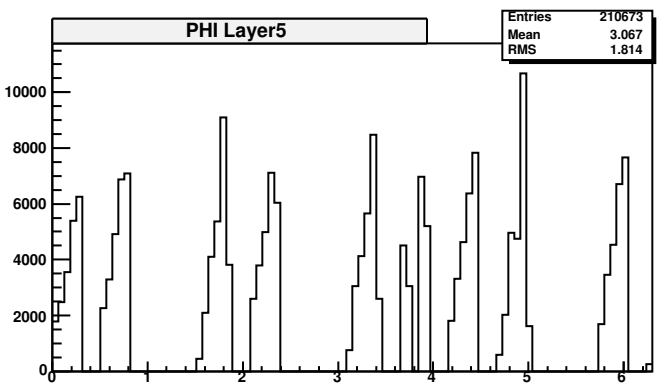
SmtClusters (ClustrBar4)

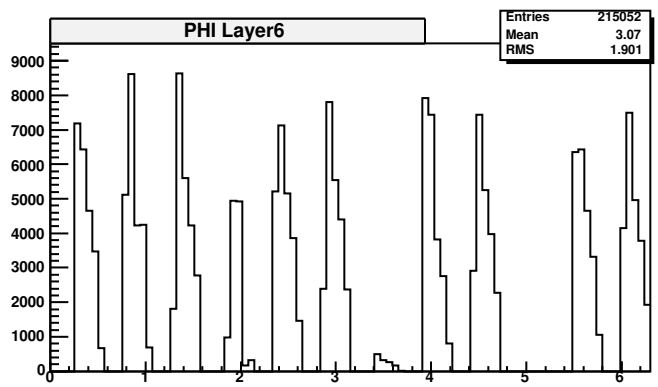


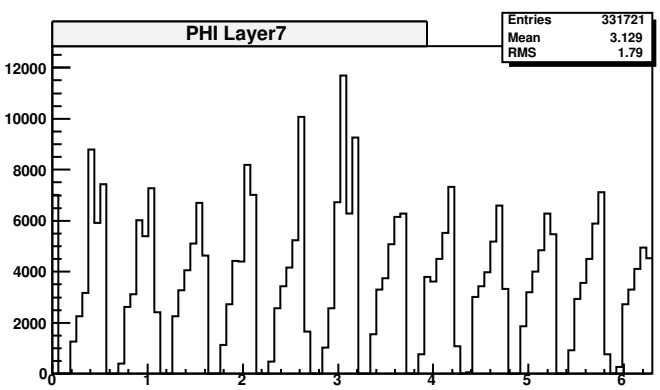


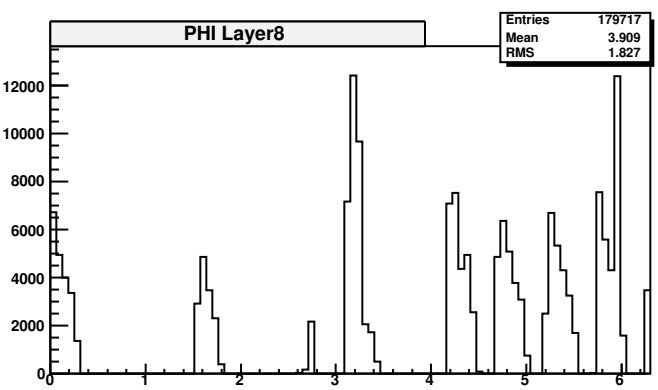




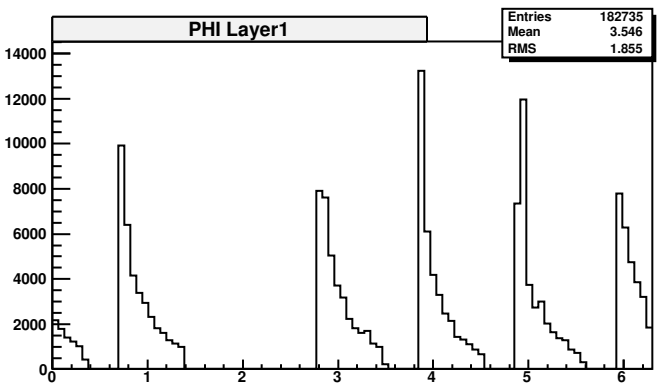


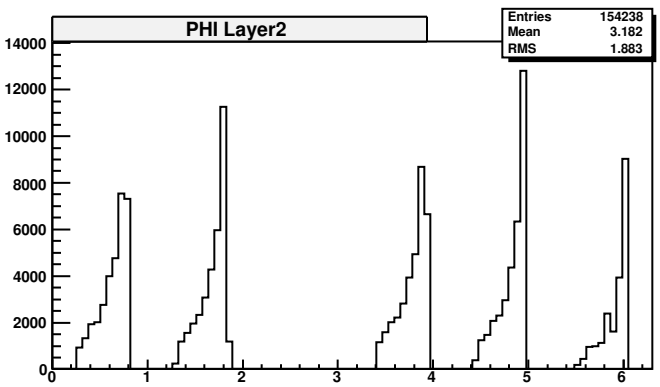


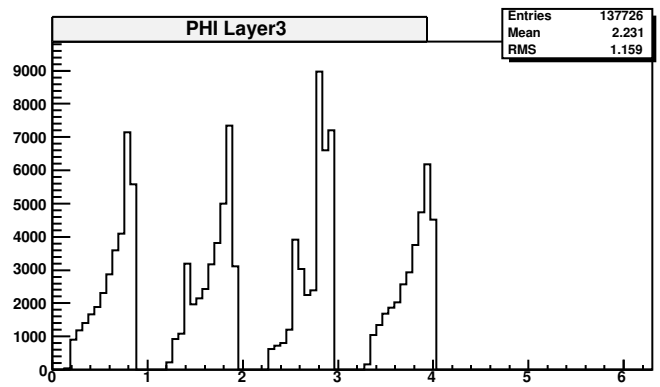


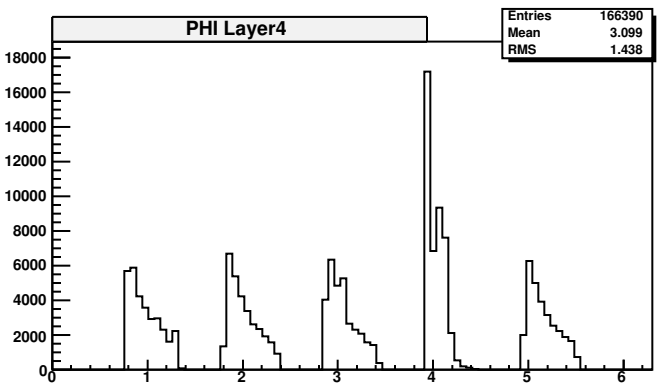


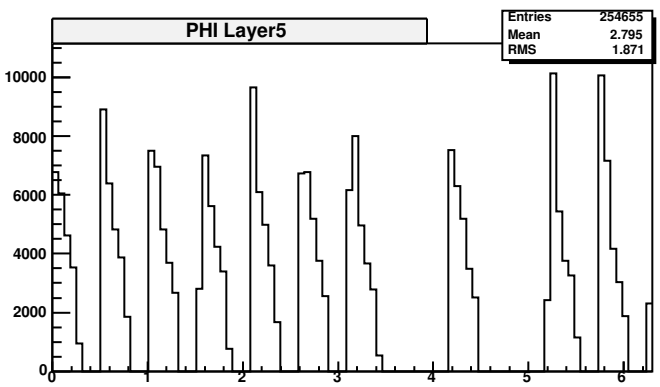
SmtClusters (ClustrBar5)

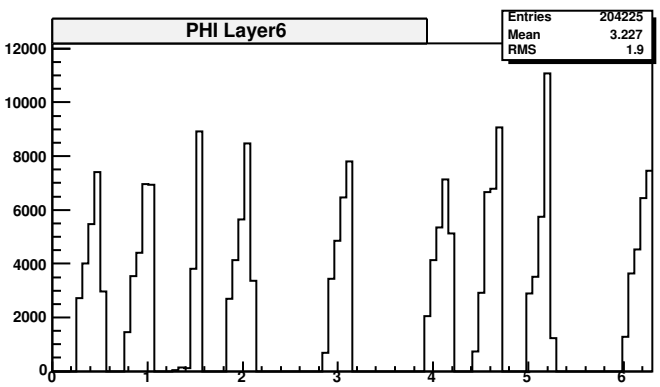


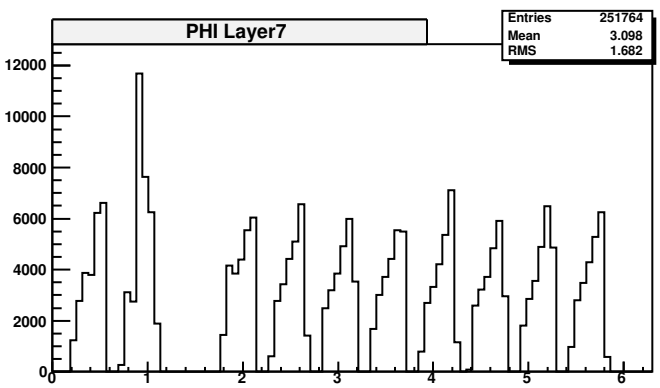


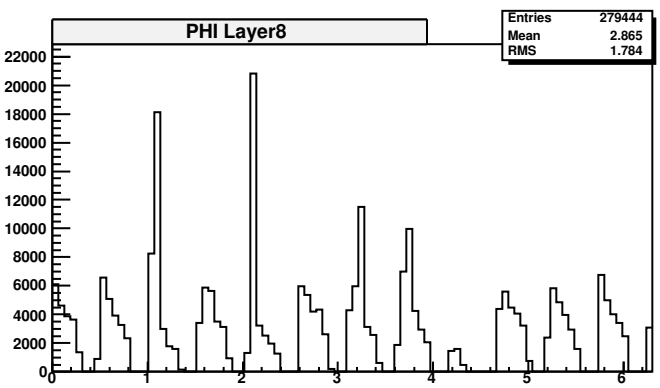




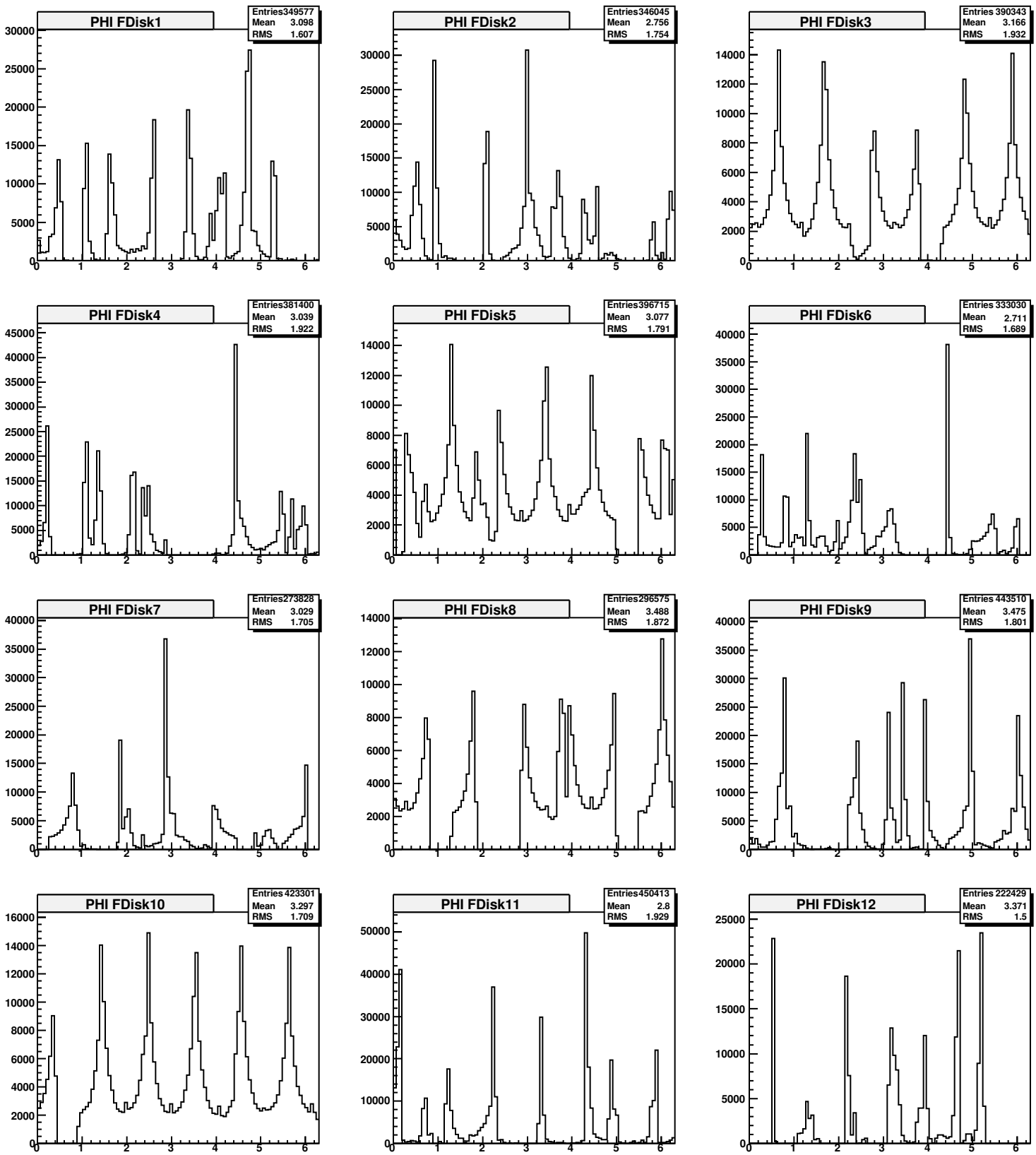




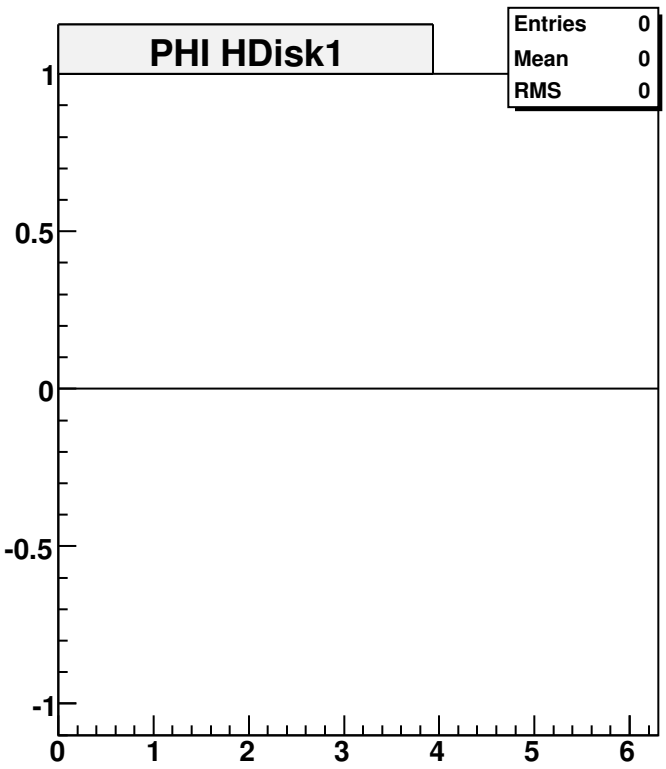


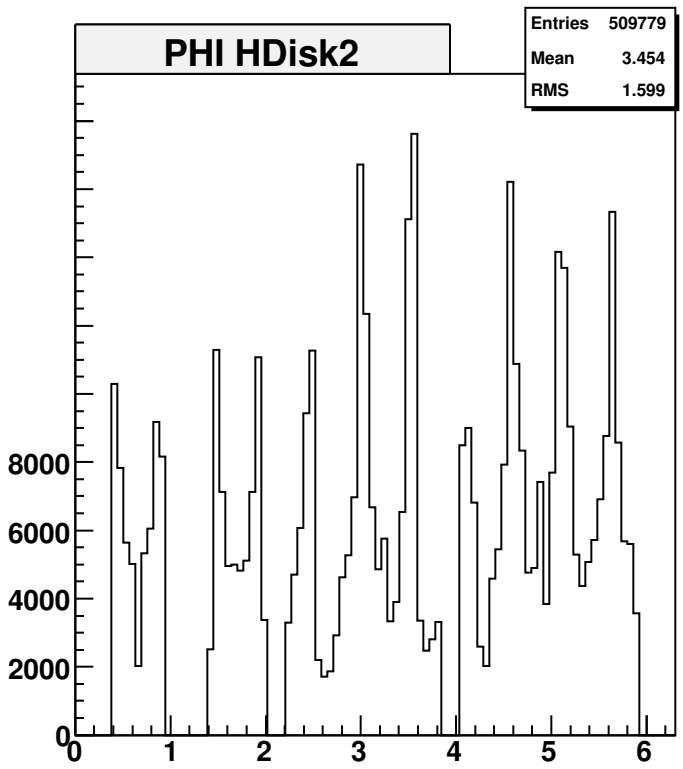


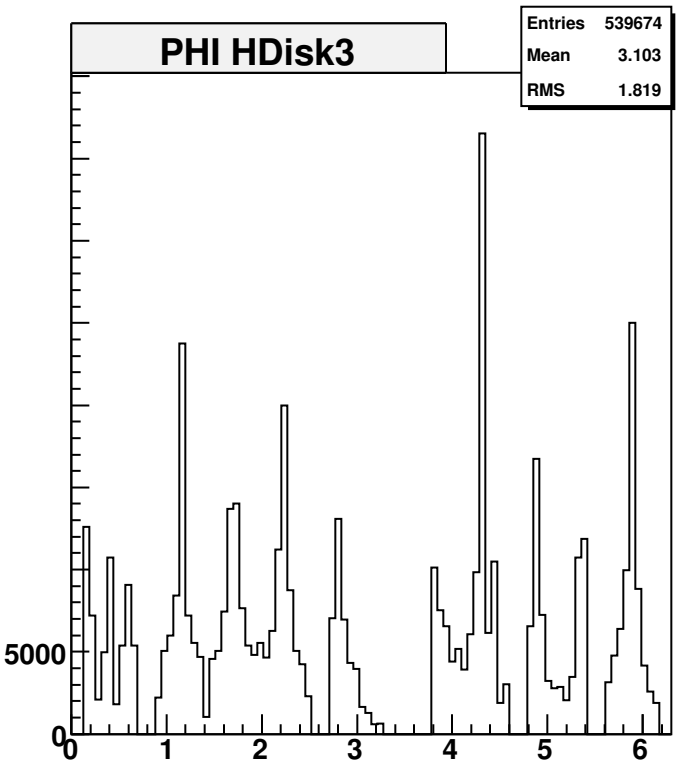
SmtClusters (ClustrBar6)

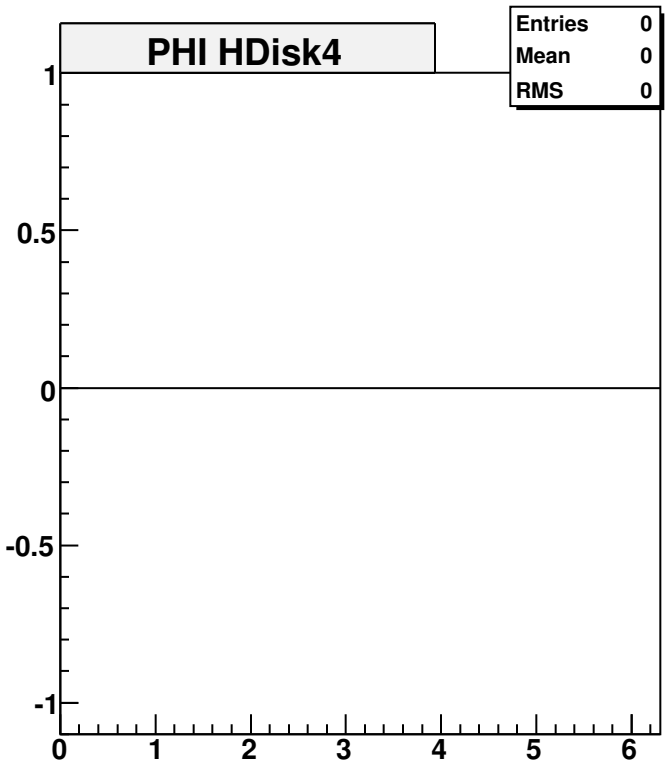


SmtClusters (FDiskClusters)

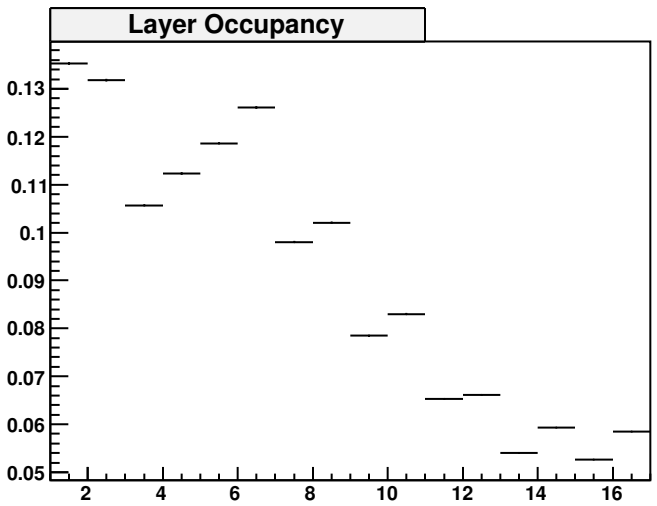


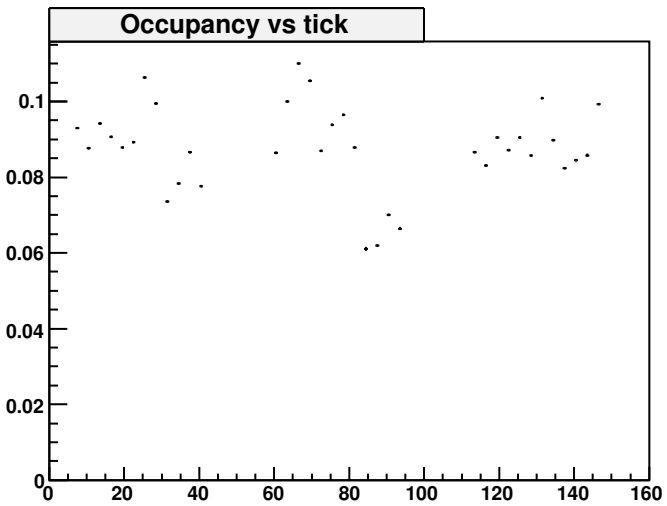


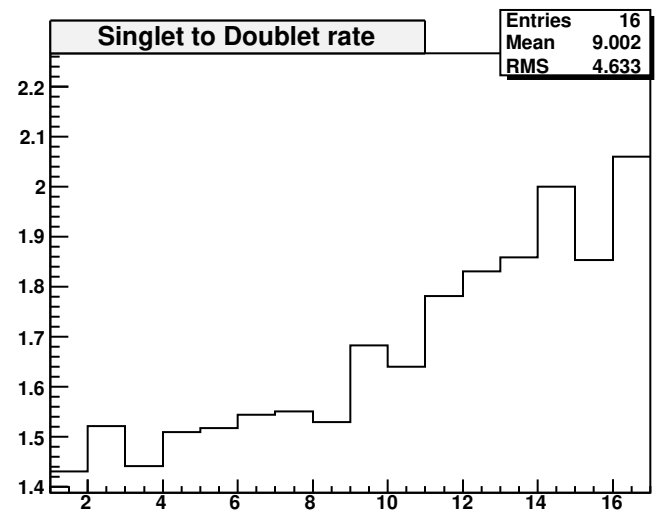


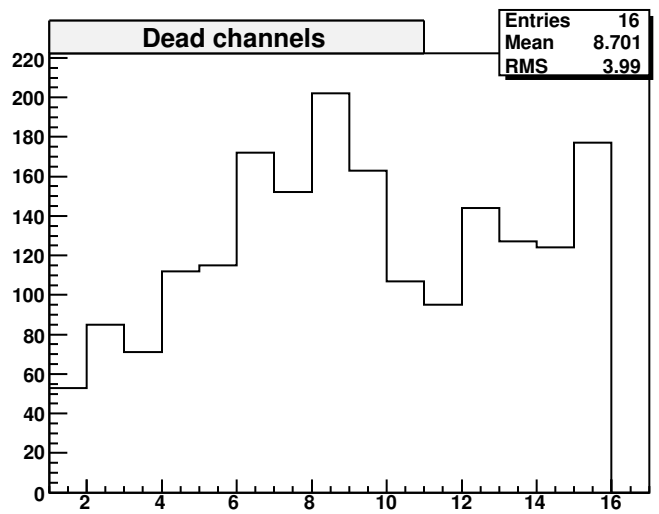


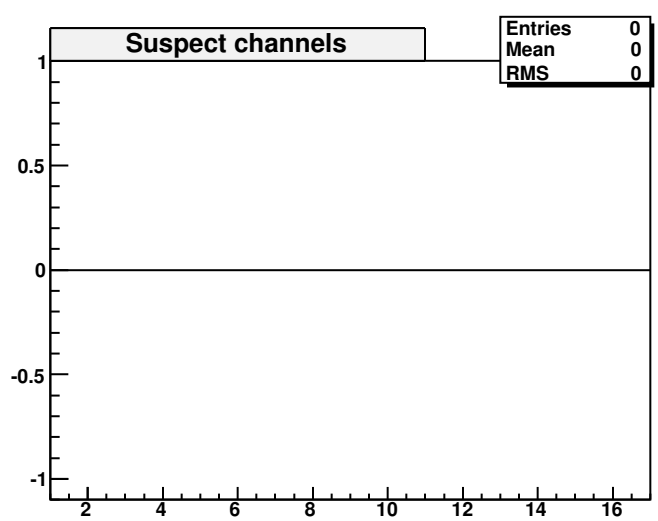
SmtClusters (HDiskClusters)

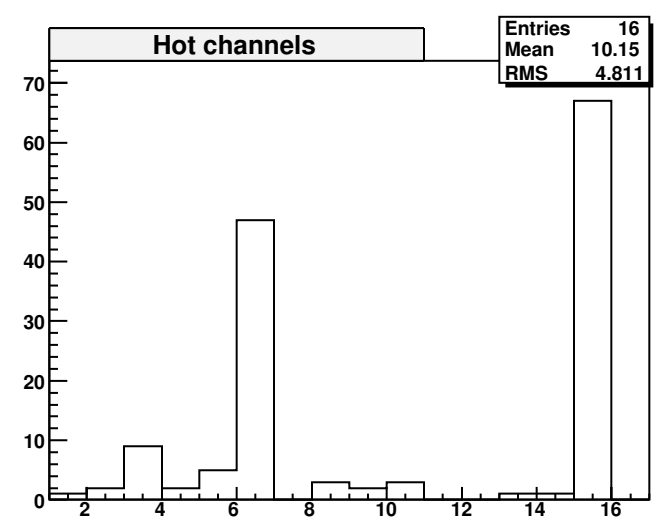




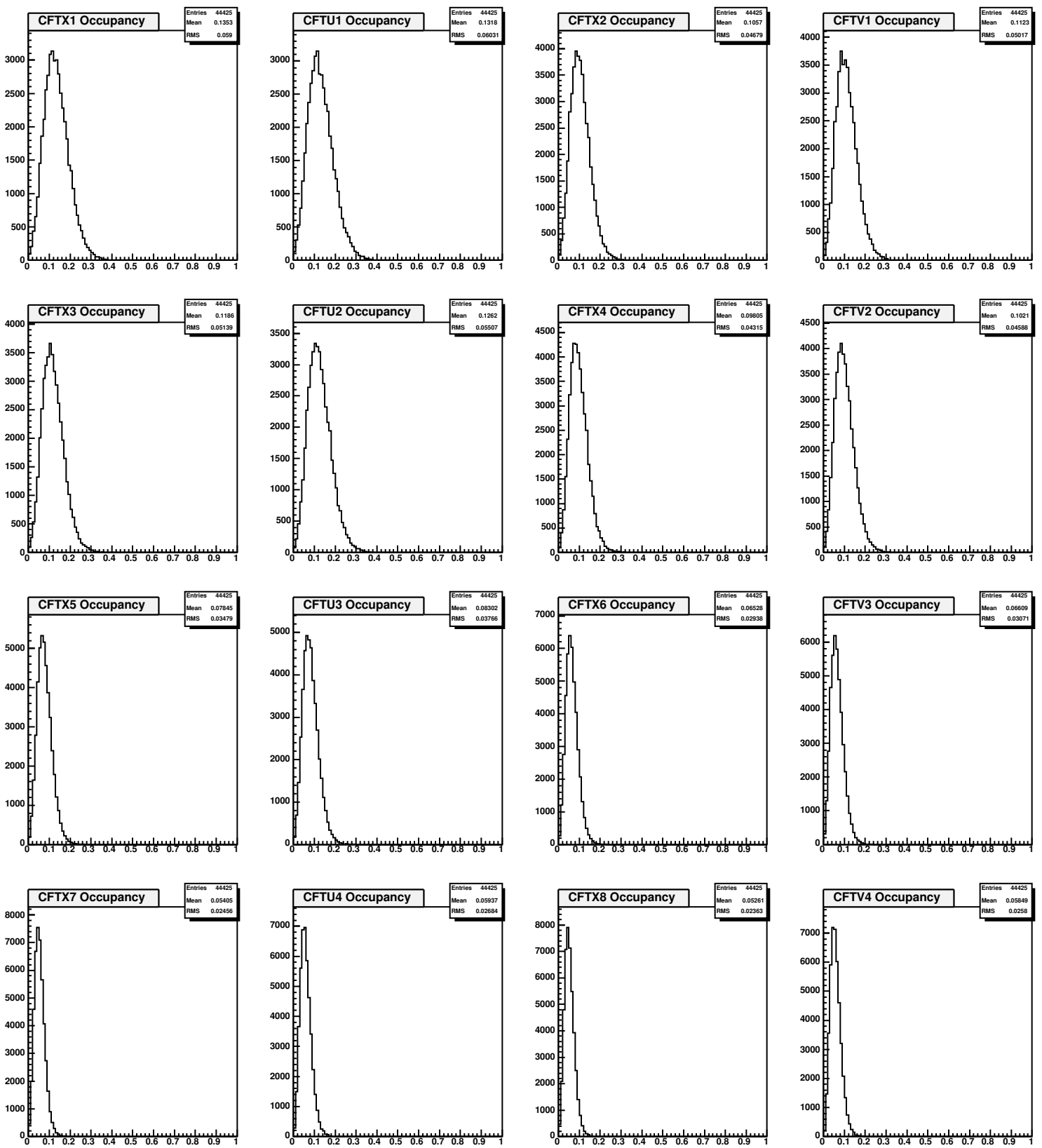




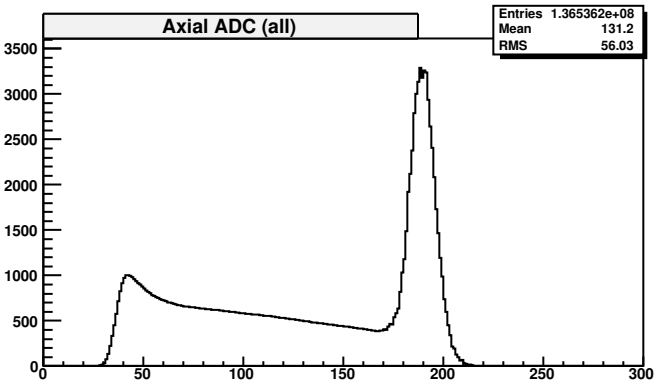


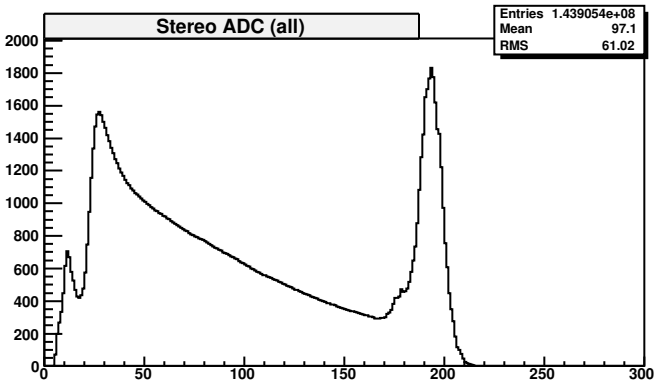


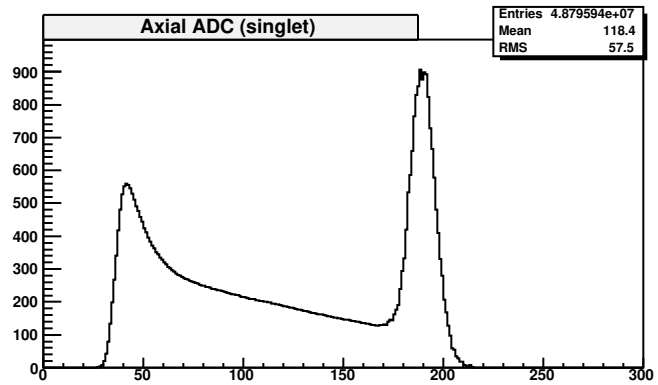
CFT Summary (All Clusters)

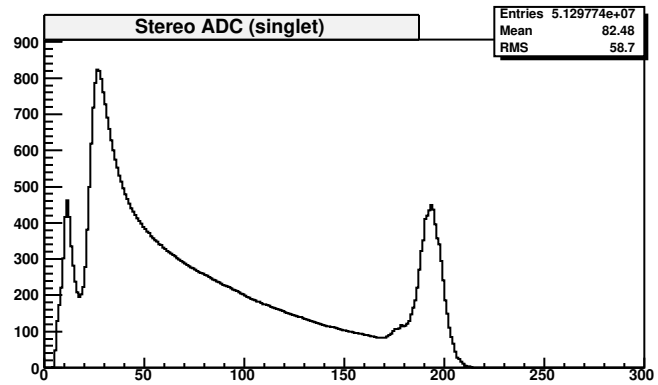


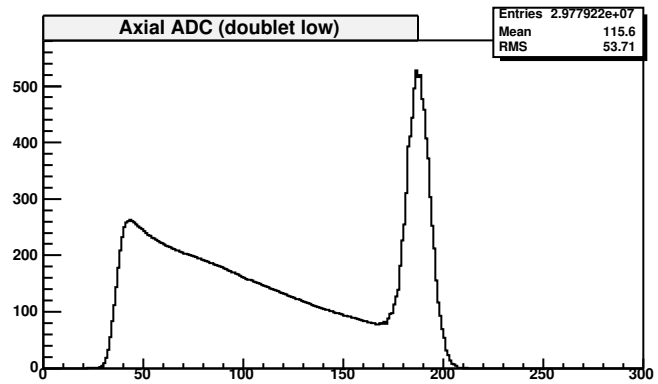
CFT Occupancy (All Clusters)

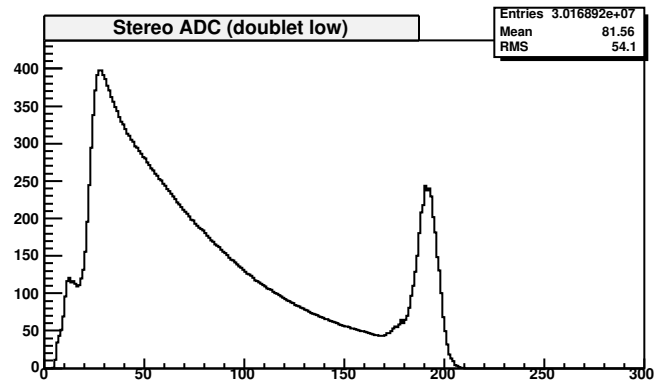


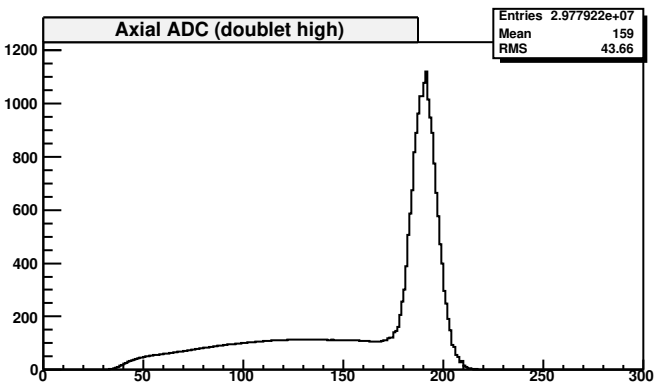


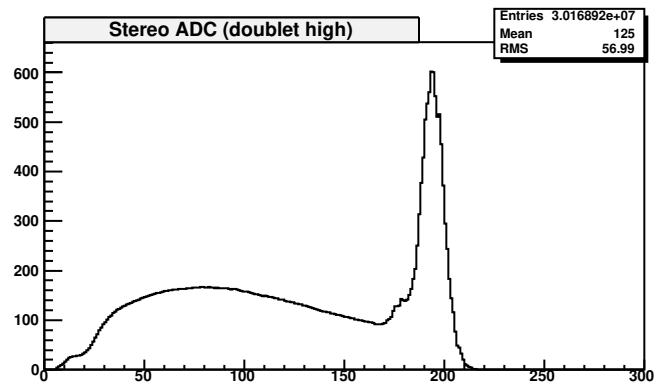




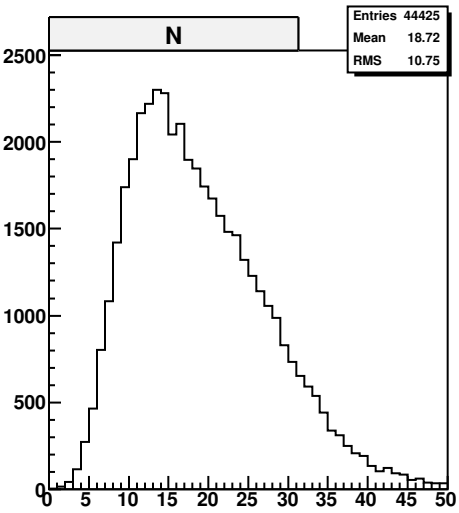


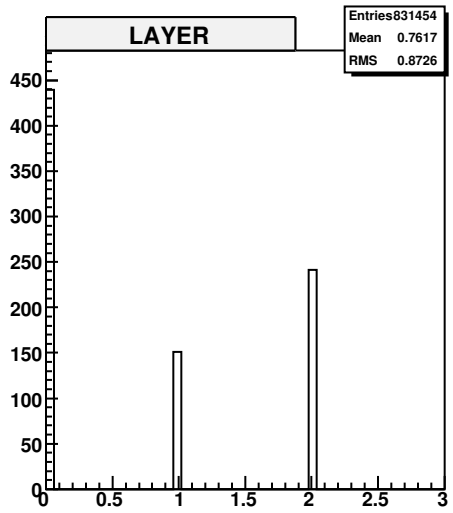


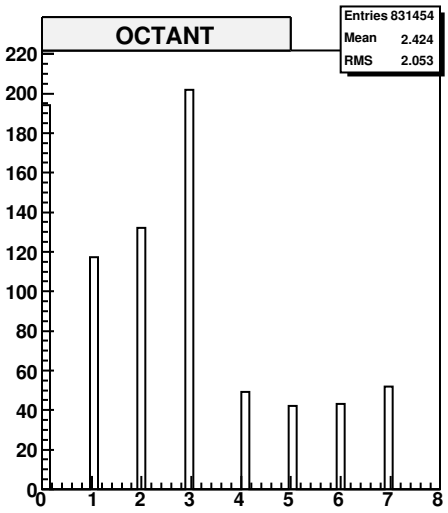


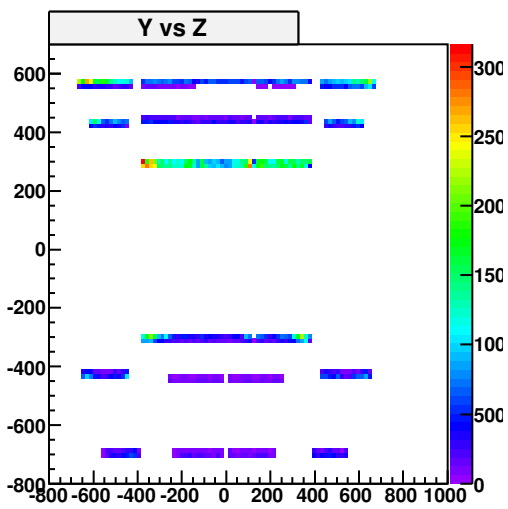


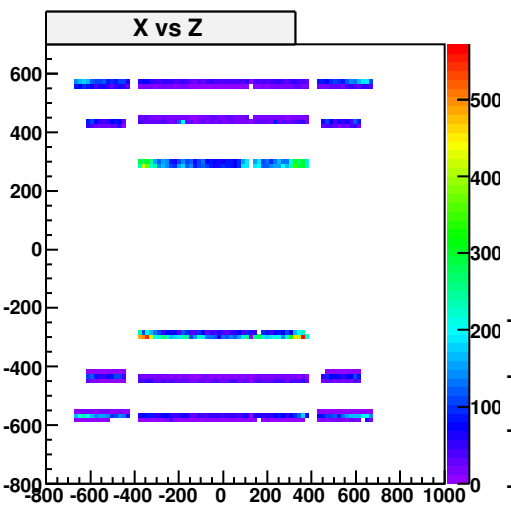
CFT ADC Summary (All Clusters)

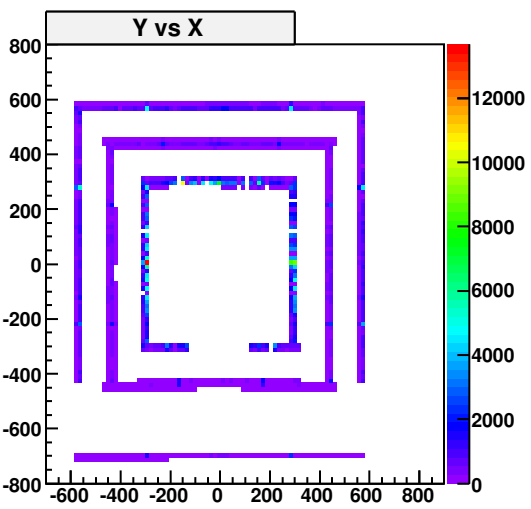

N
Entries 44425
Mean 18.72
RMS 10.75

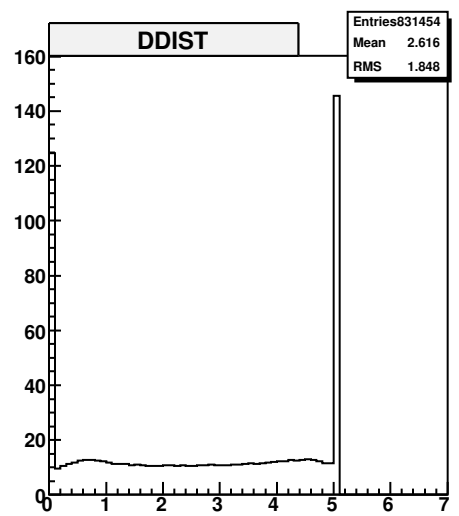

LAYER
Entries 831454
Mean 0.7617
RMS 0.8726

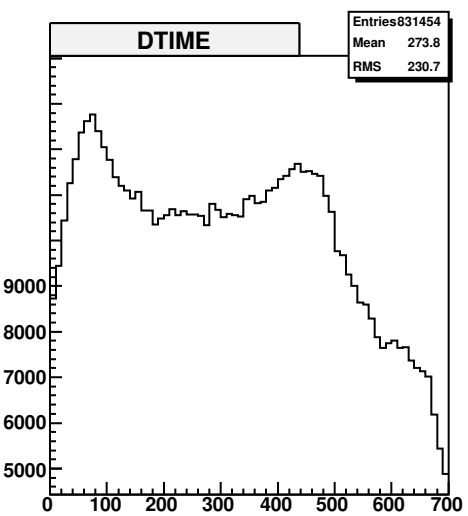

OCTANT
Entries 831454
Mean 2.424
RMS 2.053


Y vs Z

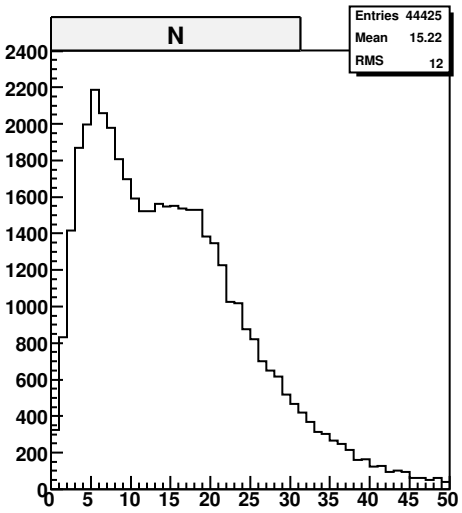

X vs Z

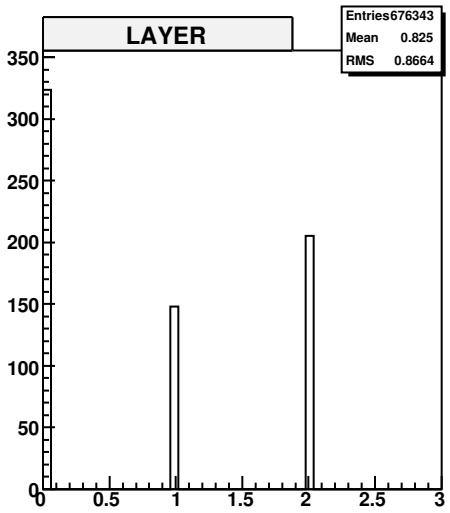

Y vs X

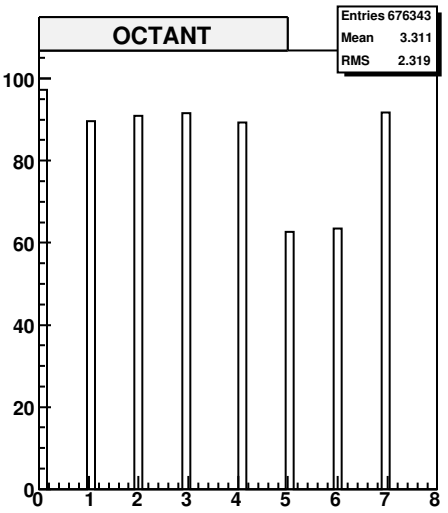

DDIST
Entries 831454
Mean 2.616
RMS 1.848

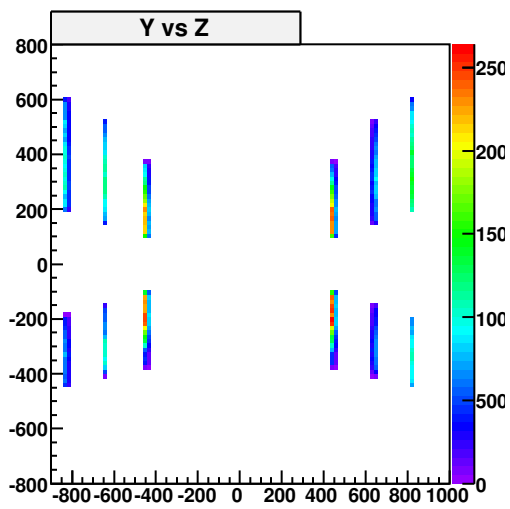

DTIME
Entries 831454
Mean 273.8
RMS 230.7

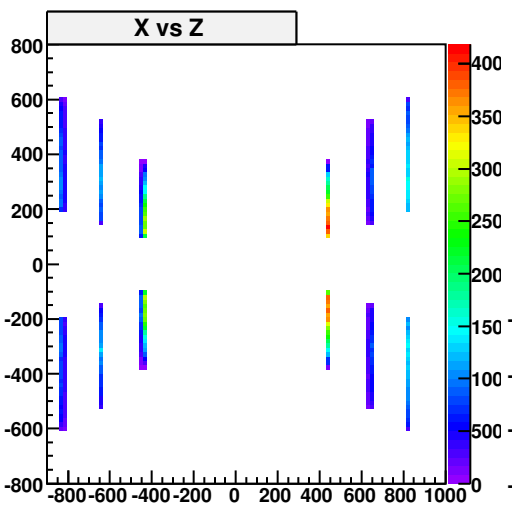
MuonPDT (All)

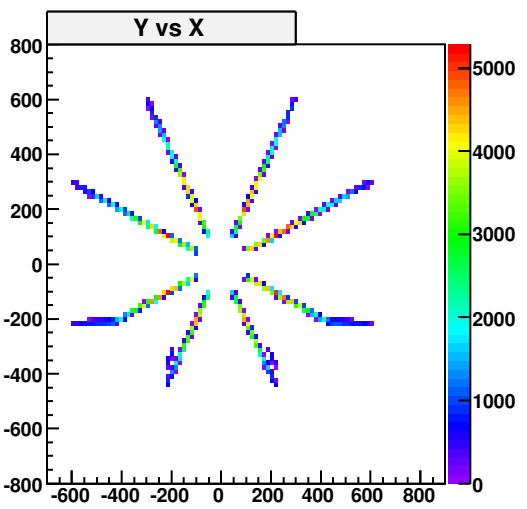

N
Entries 44425
Mean 15.22
RMS 12

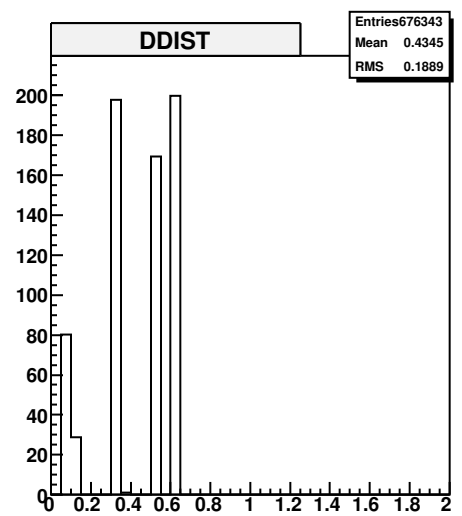

LAYER
Entries676343
Mean 0.825
RMS 0.8664


OCTANT
Entries 676343
Mean 3.311
RMS 2.319


Y vs Z


X vs Z


Y vs X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Entries676343
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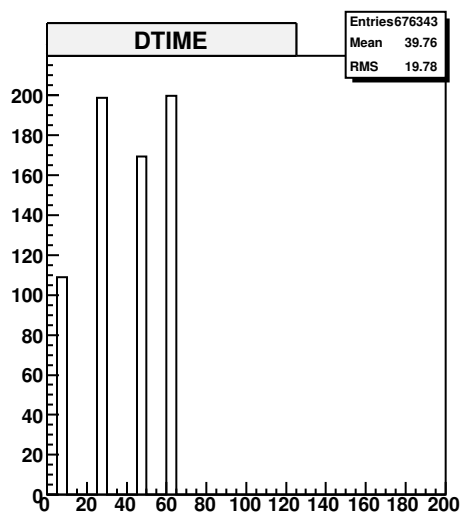
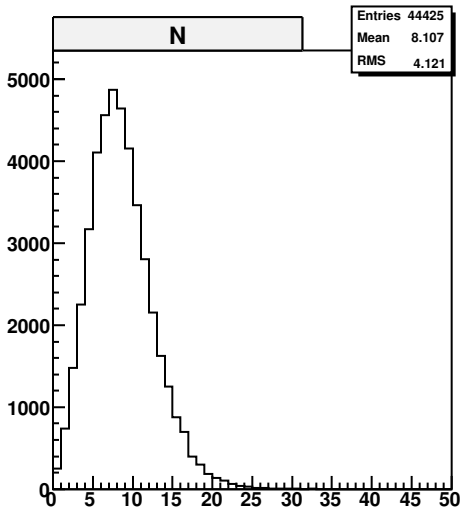
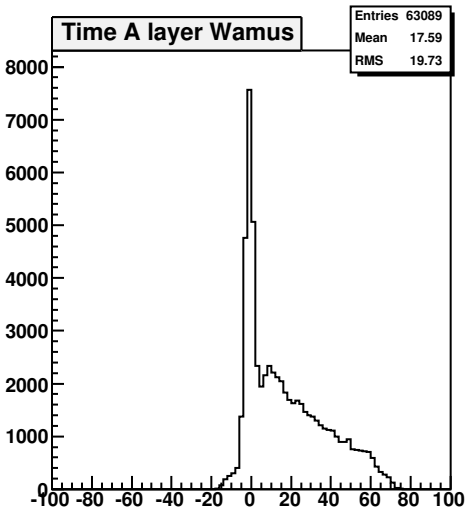
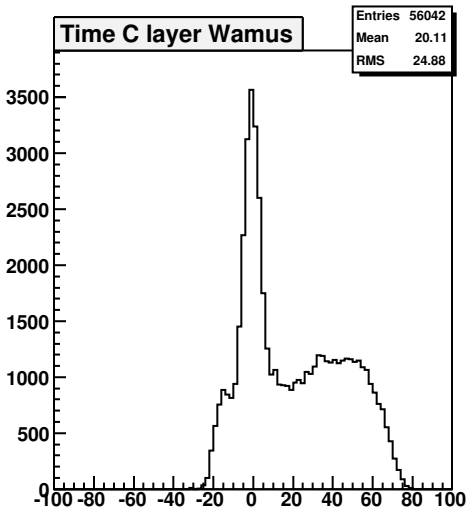
RMS 0.1889


DTIME
Entries676343
Mean 39.76
RMS 19.78

MuonMDT (All)


N
Entries 44425
Mean 8.107
RMS 4.121


Time A layer Wamus
Entries 63089
Mean 17.59
RMS 19.73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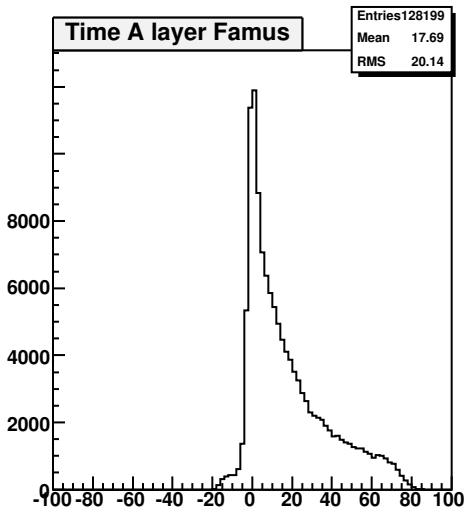
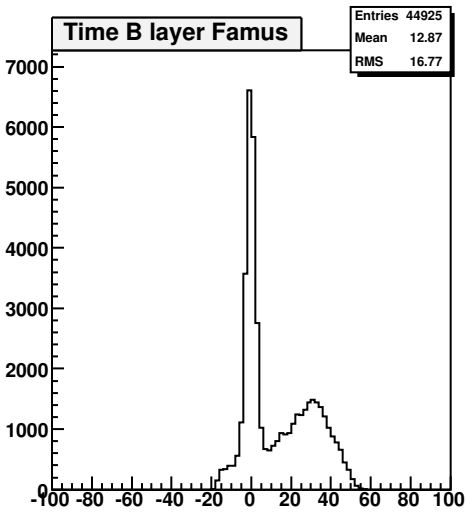
RMS 24.88


Time A layer Famus
Entries128199
Mean 17.69
RMS 20.14


Time B layer Famus
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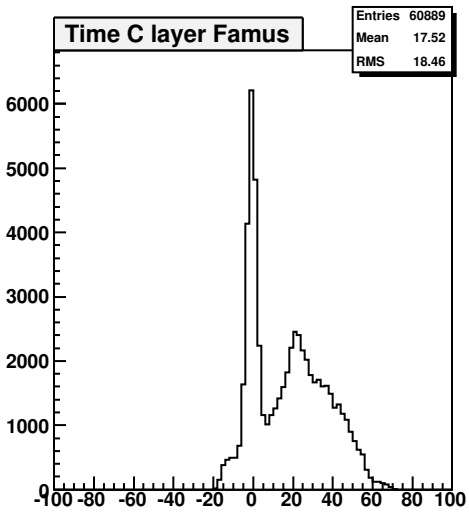
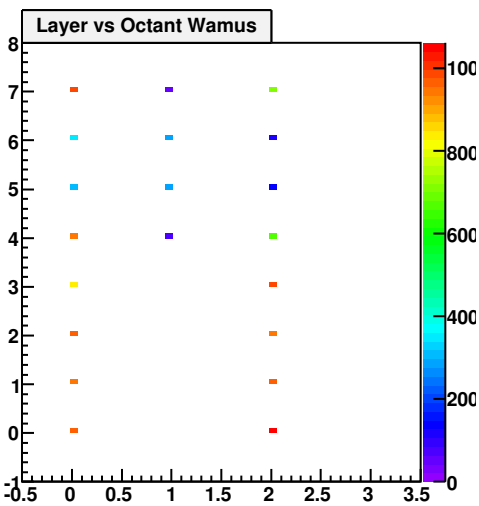
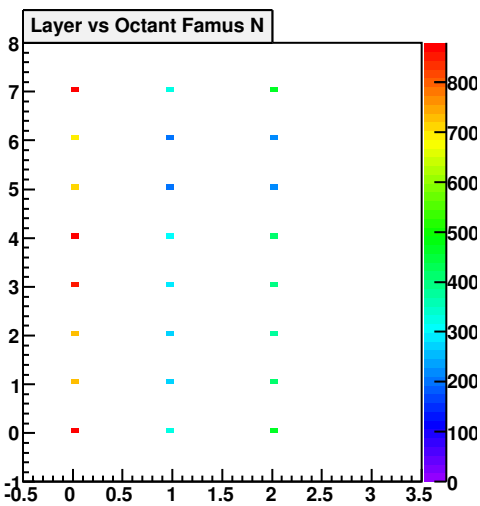
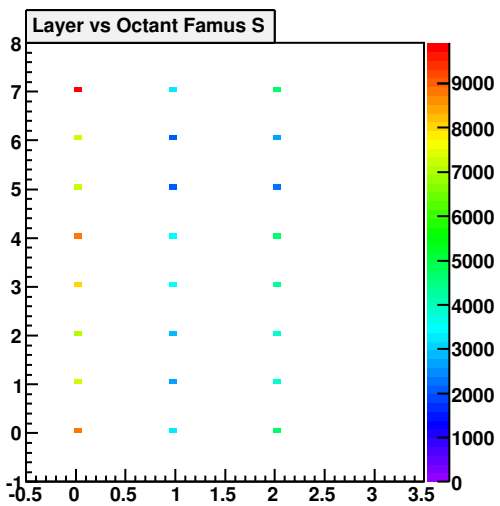
Mean 12.87
RMS 16.77

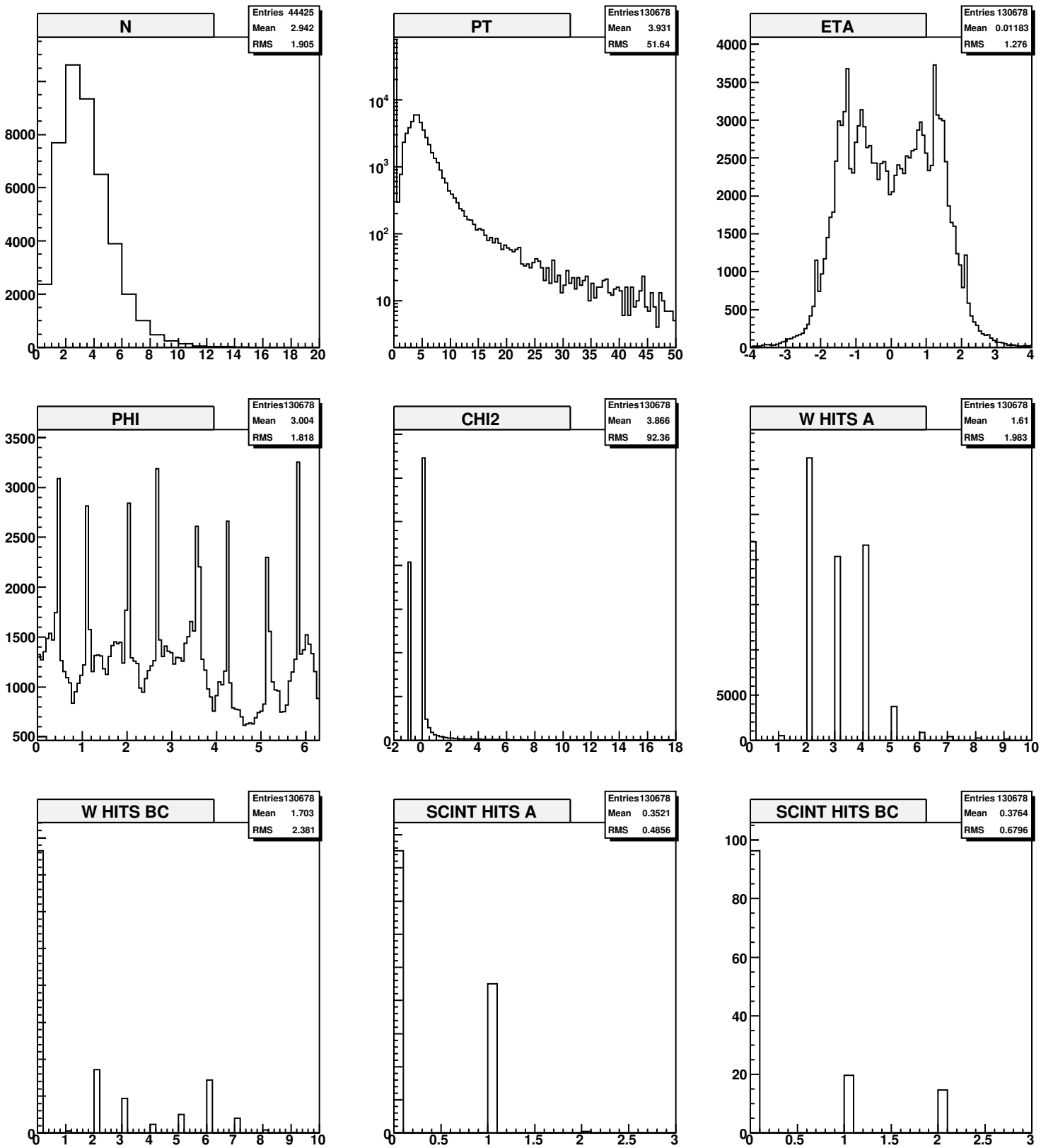

Time C layer Famus
Entries 60889
Mean 17.52
RMS 18.46


Layer vs Octant Wamus

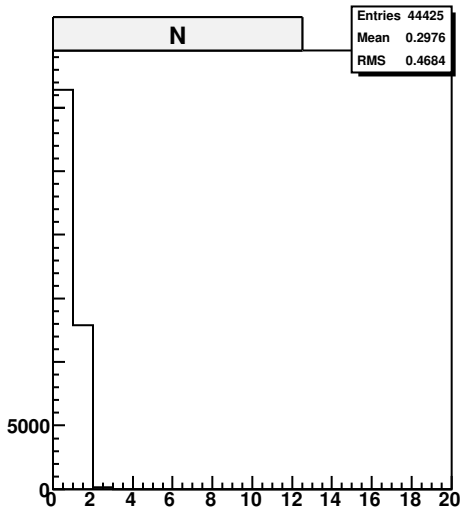

Layer vs Octant Famus N

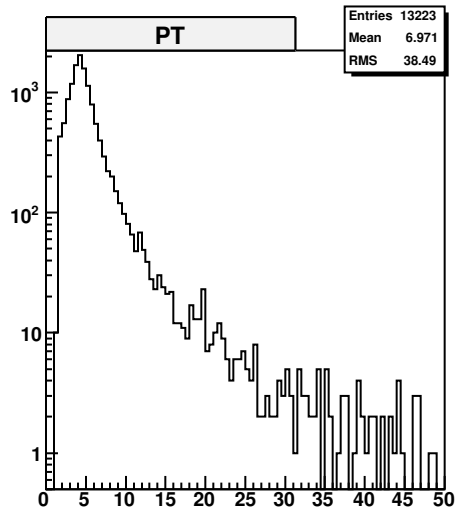

Layer vs Octant Famus S

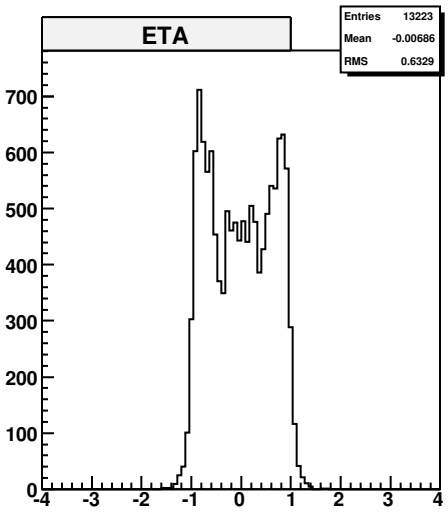
MuonMSC (All)

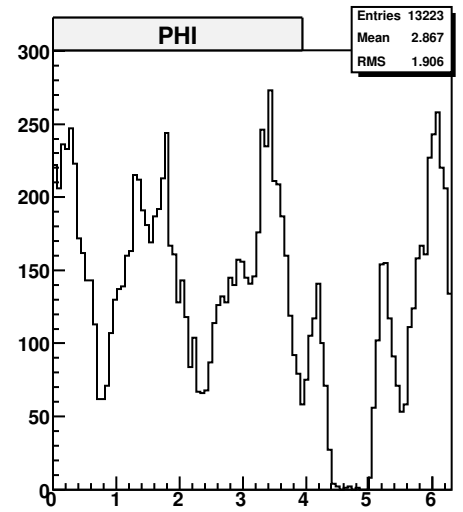


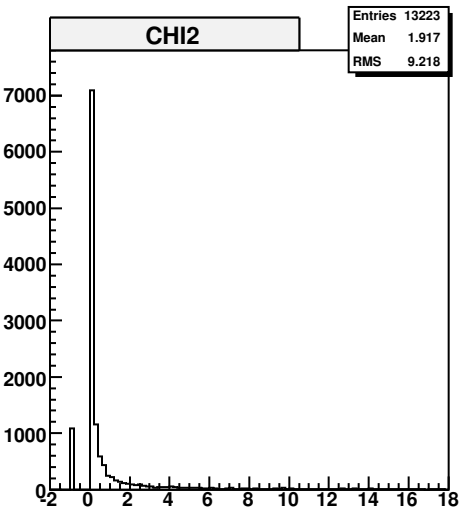
Muon Local Tracks (All)

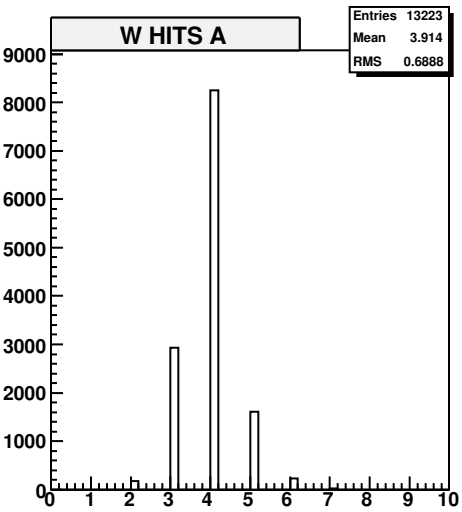


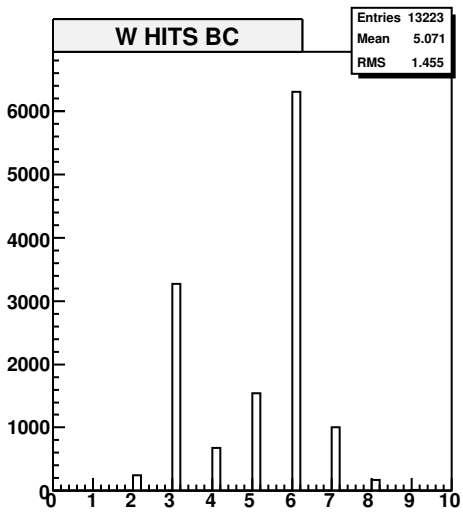


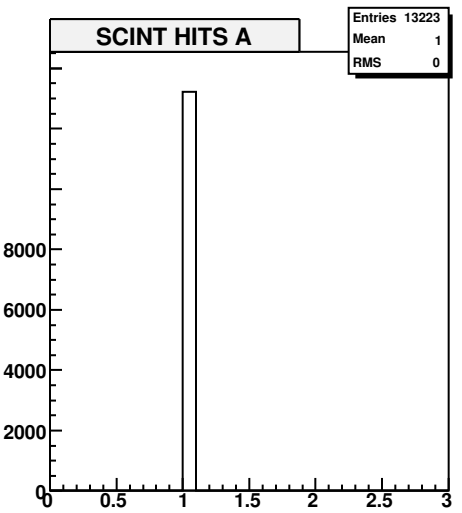


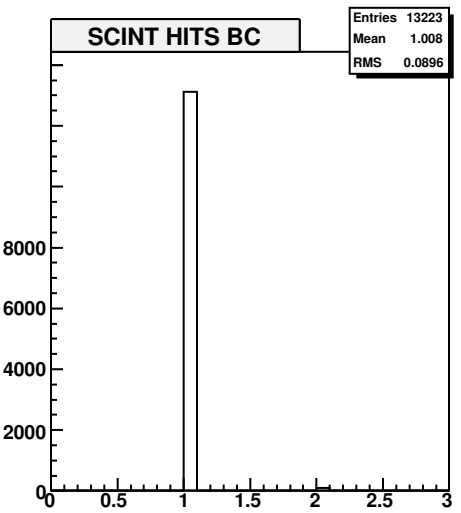




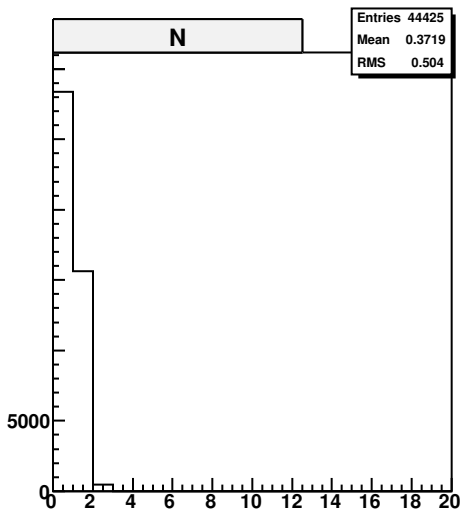


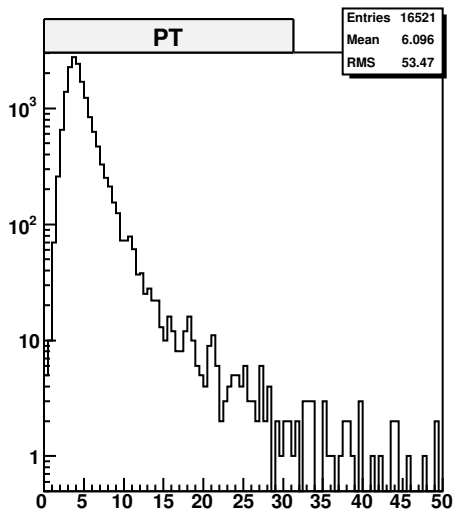


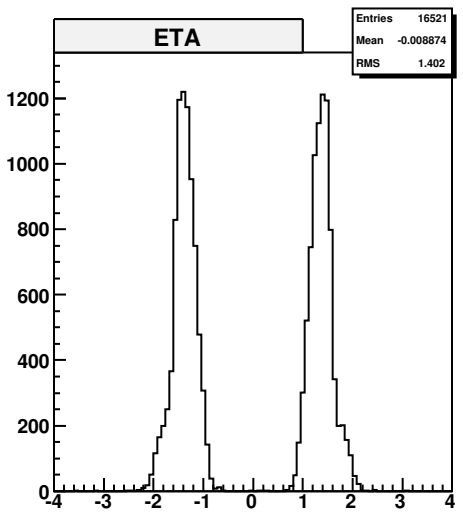


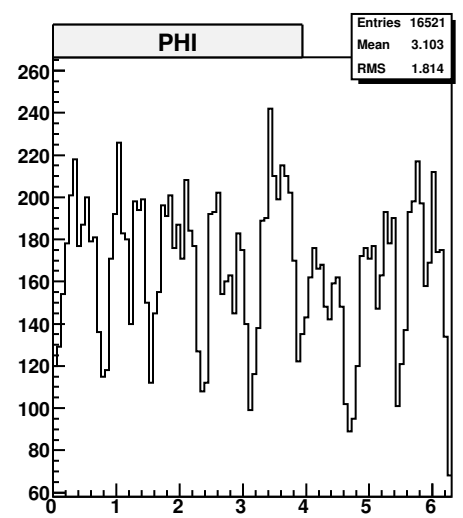


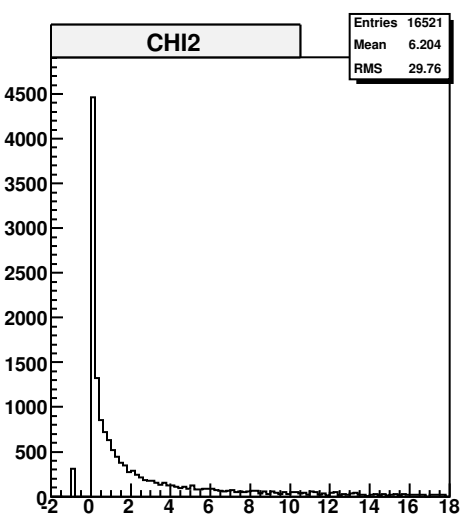
Muon Local Tracks (MediumWamus)

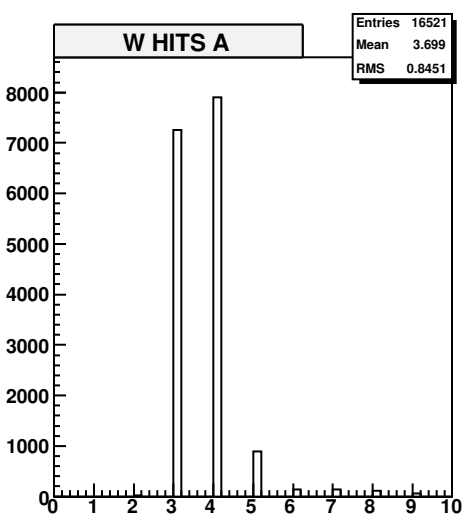


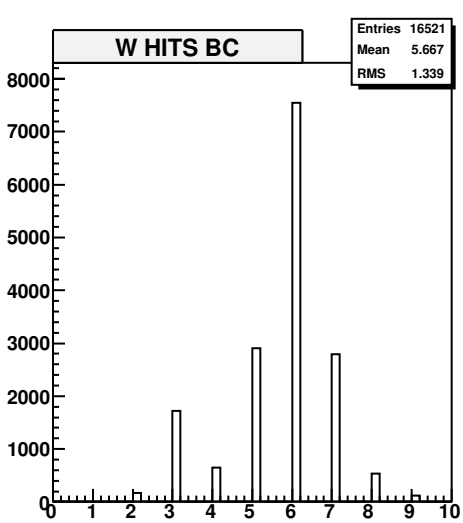


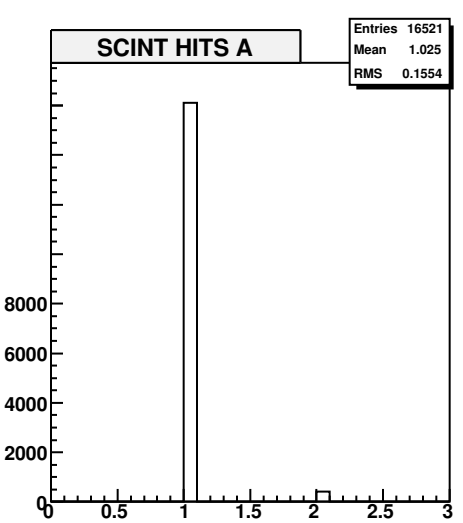


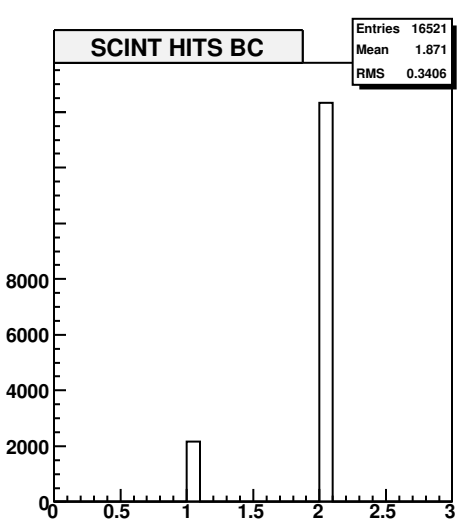




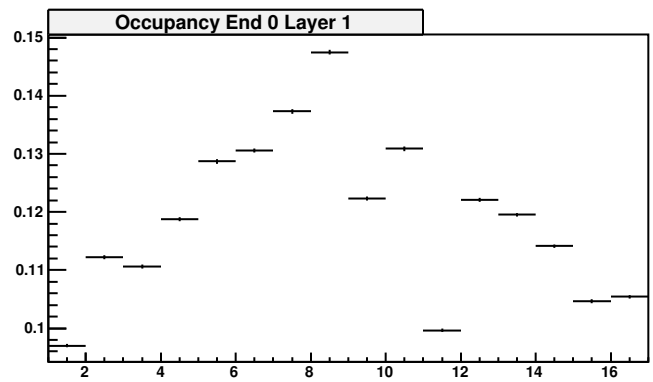


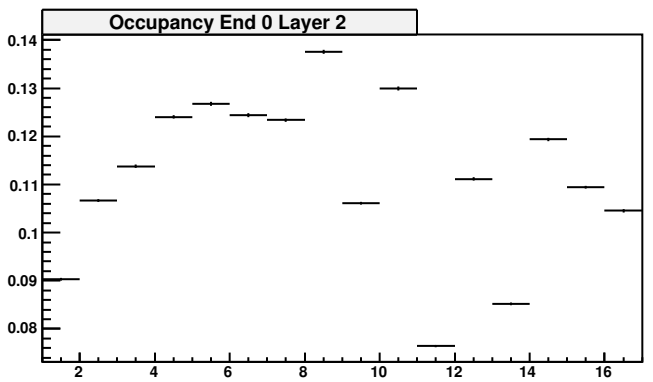


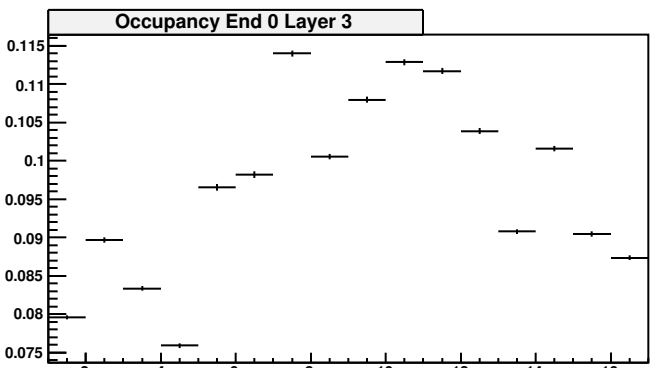


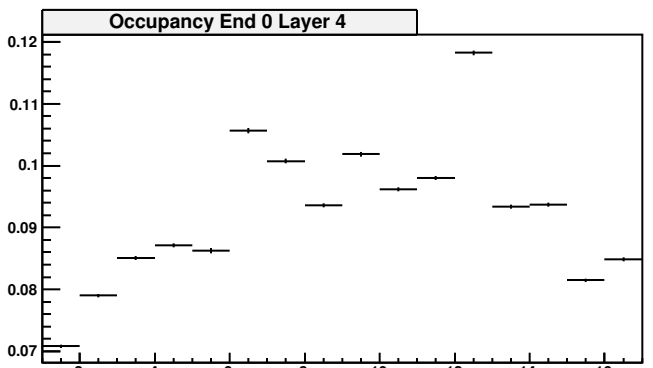


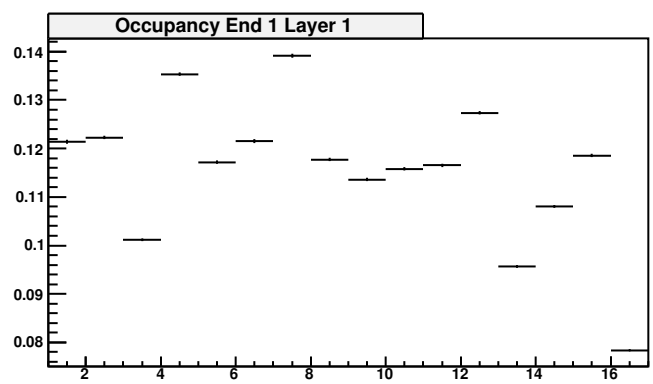
Muon Local Tracks (MediumFamus)

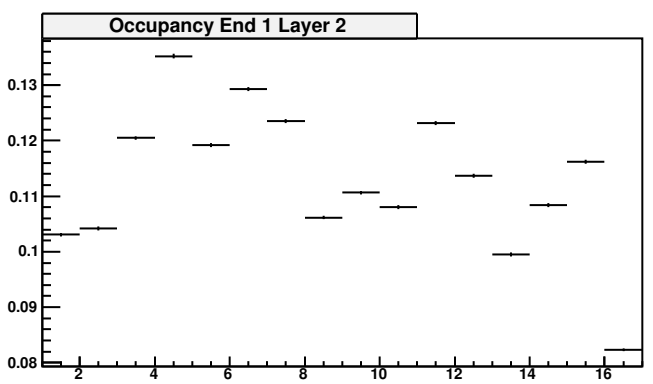


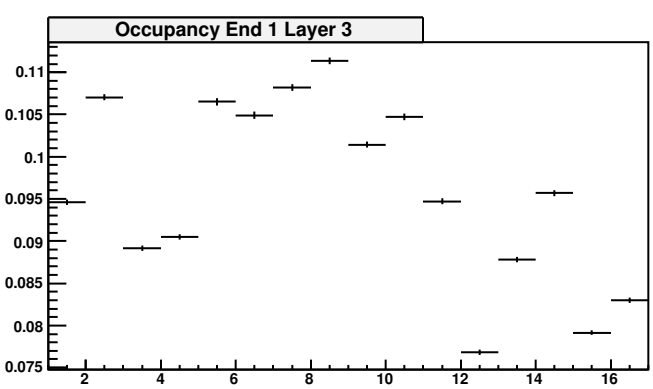


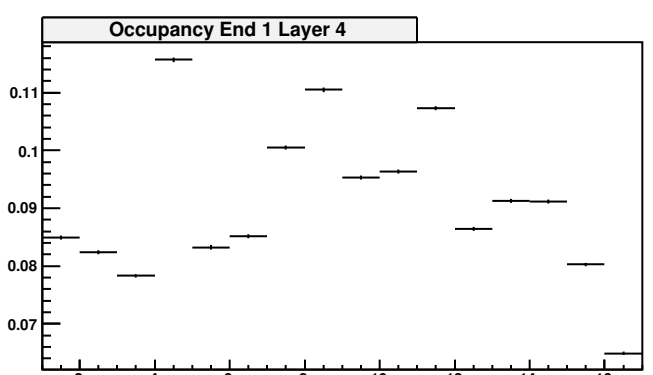




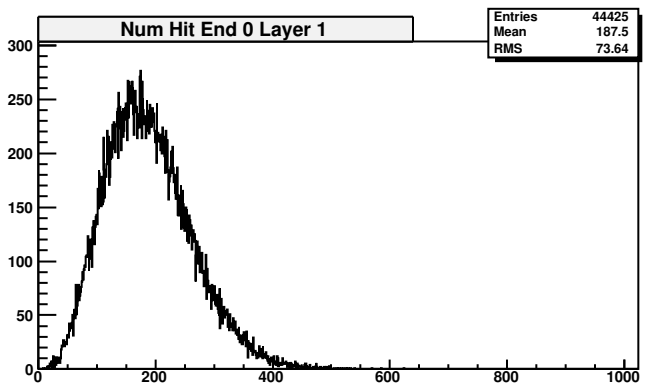


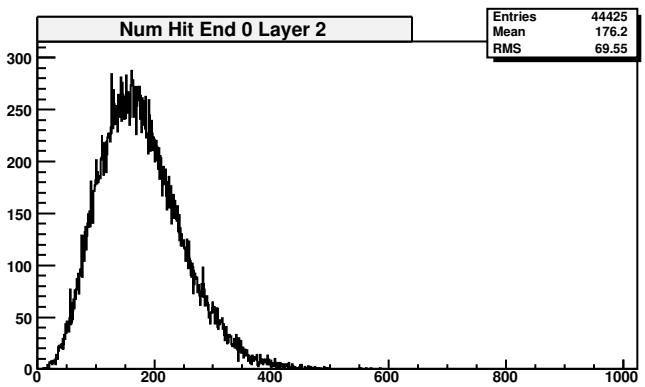


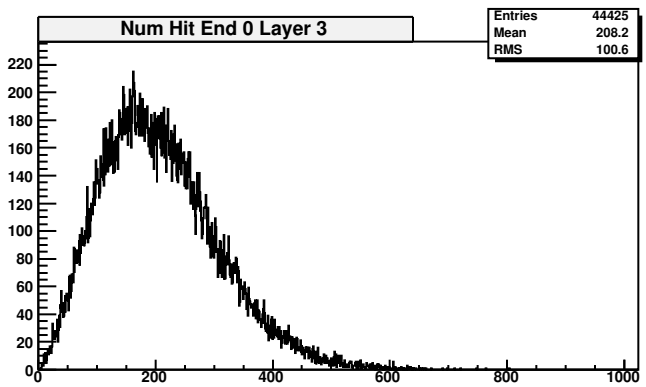


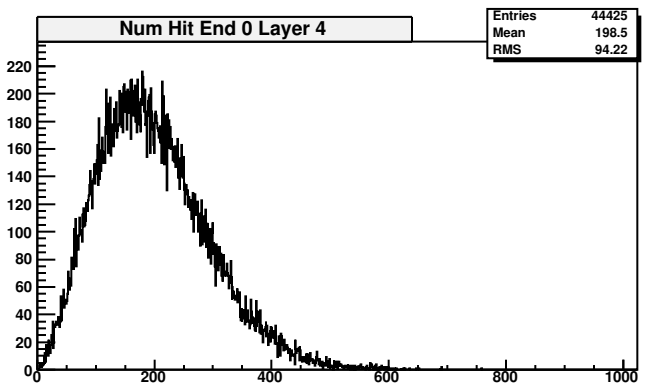


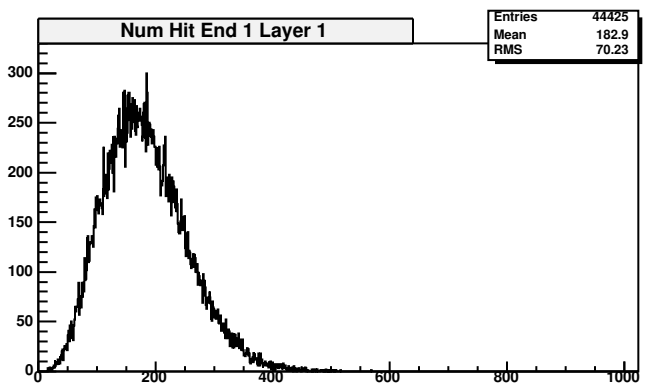
FPS Hit Occupancy (All)

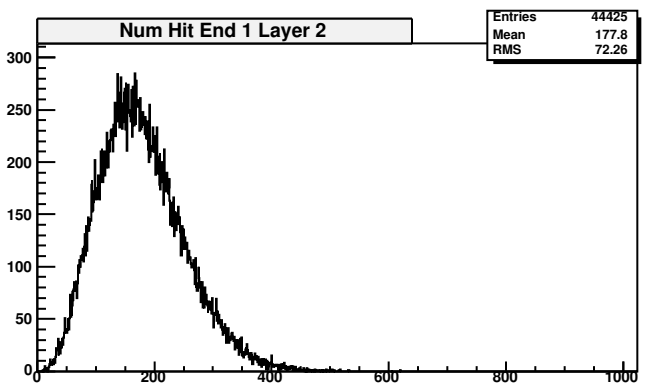


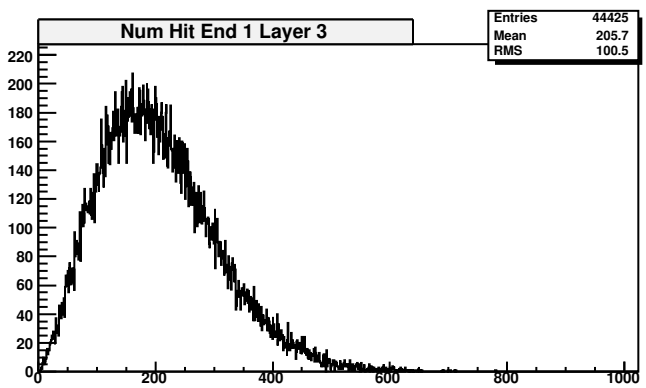


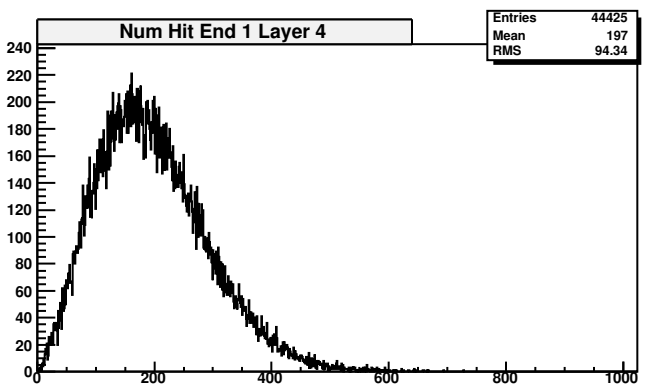




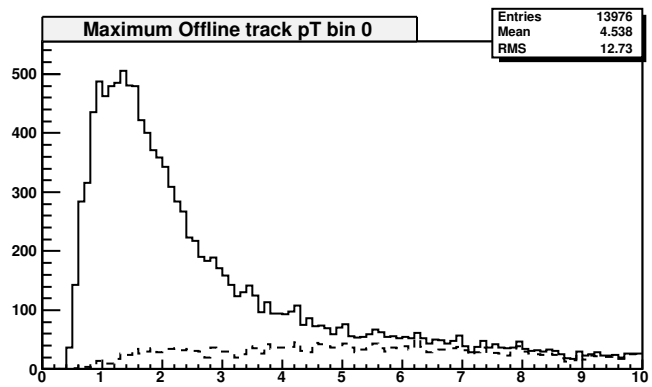


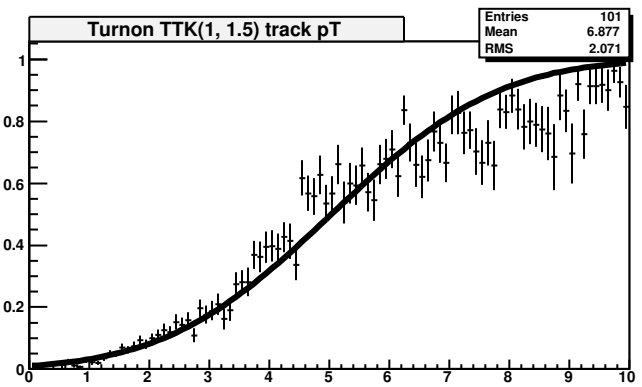


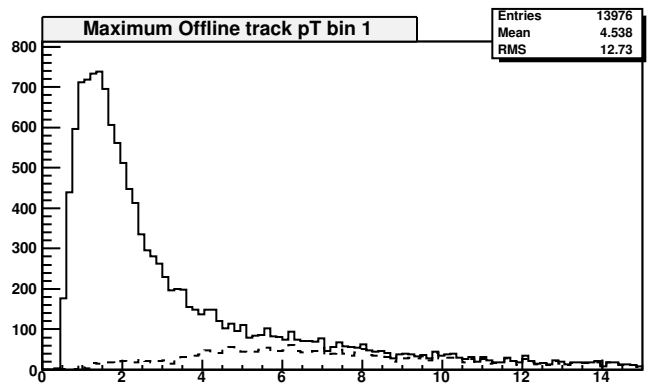


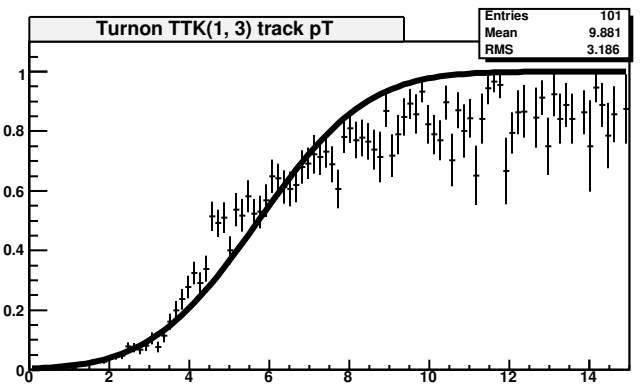


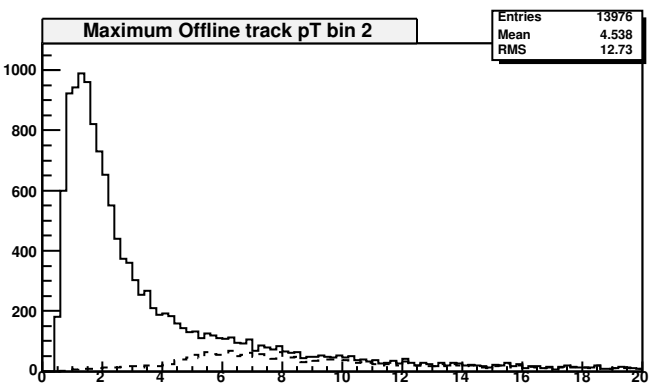
FPS Number of Hits (All)

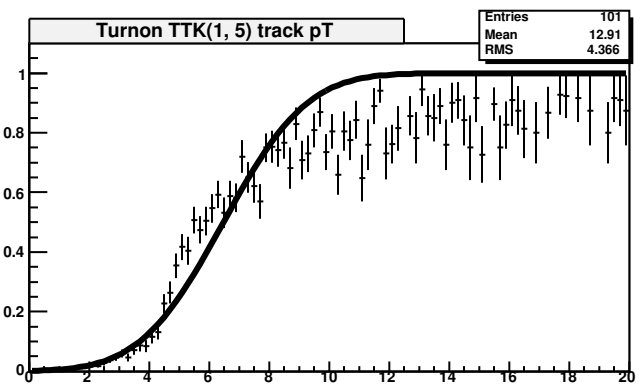


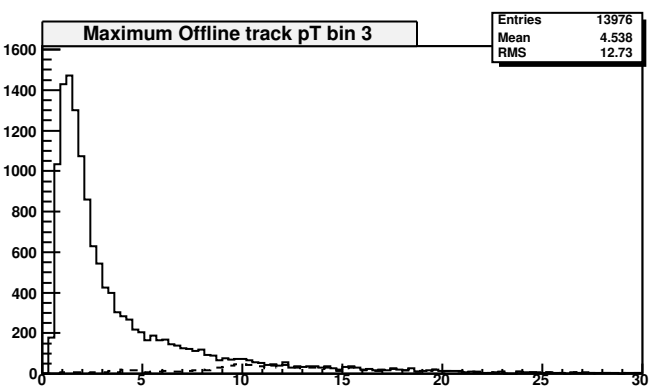


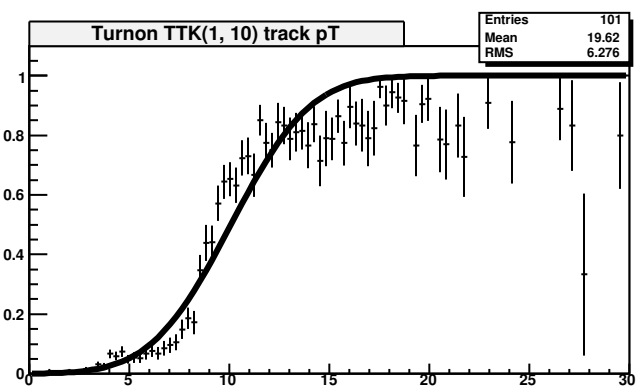




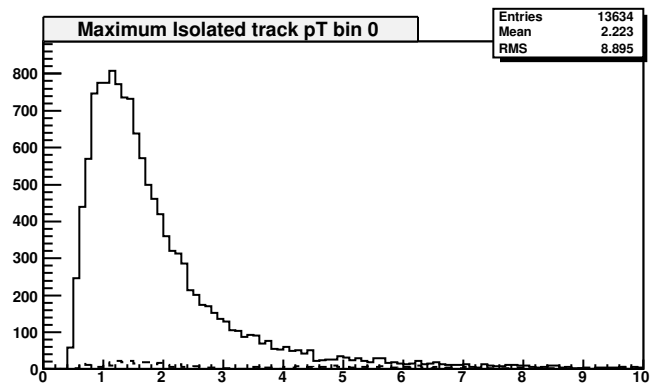


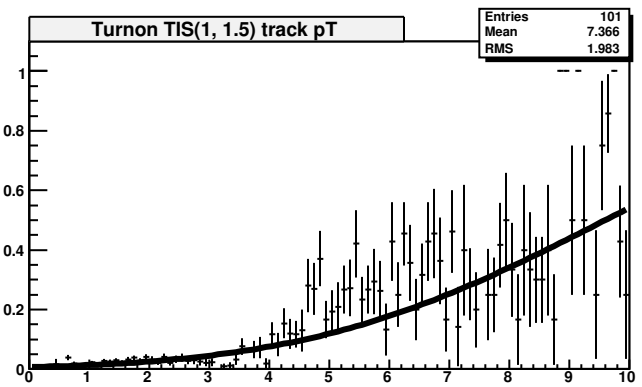


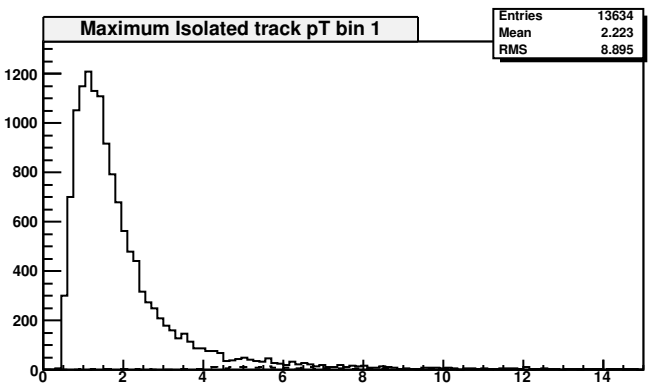


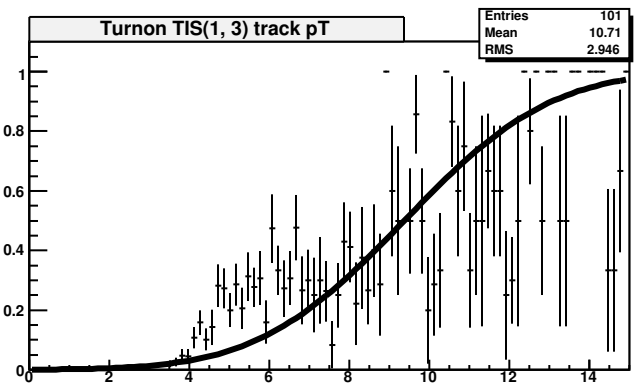


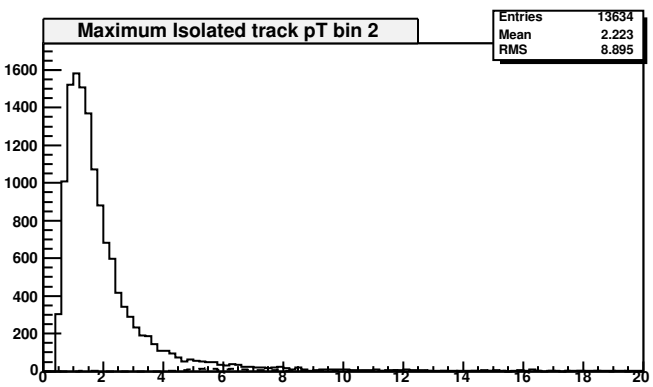
TTK Turnon curves (L1CTT All)

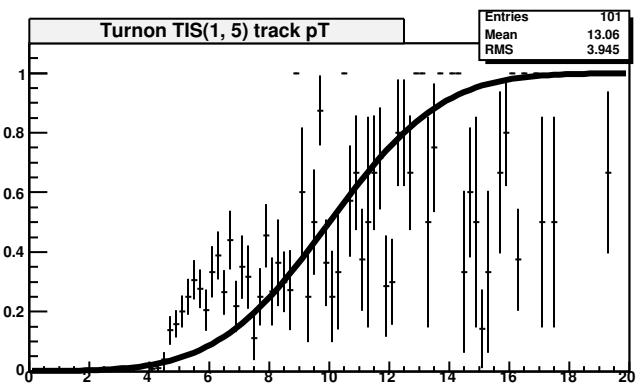


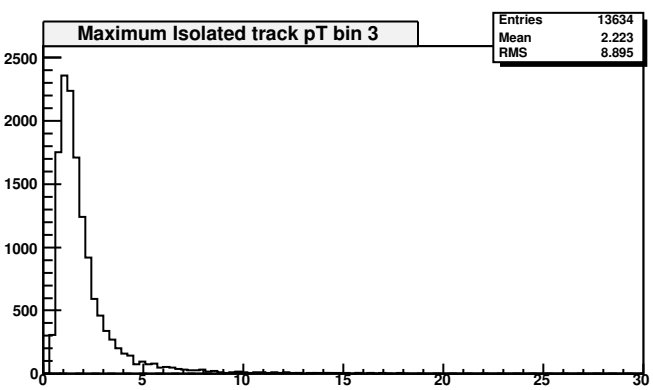


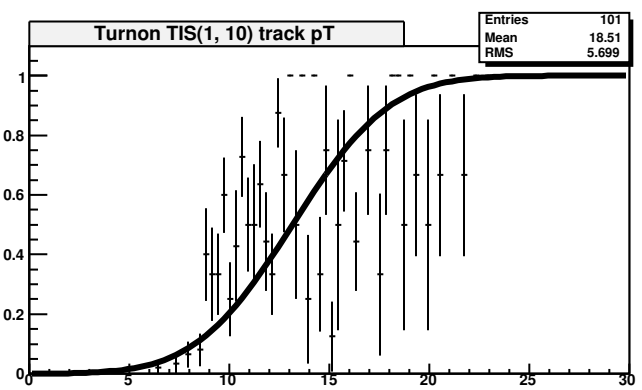




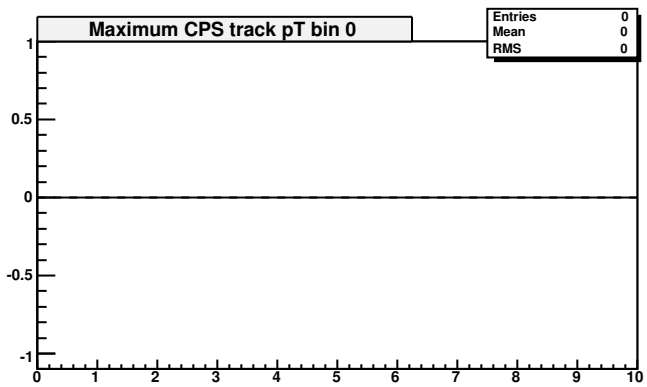


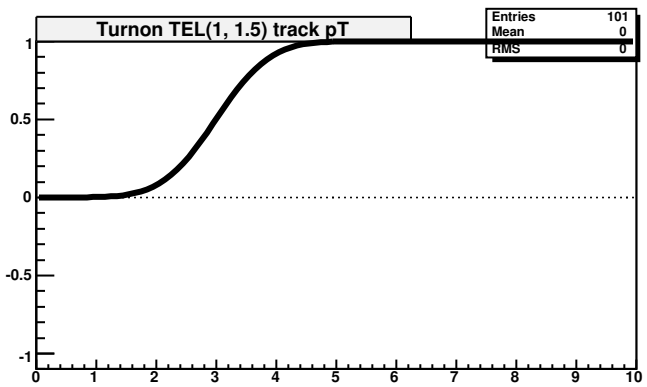


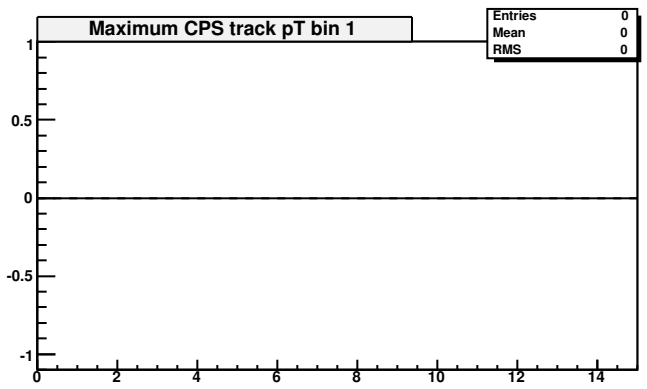


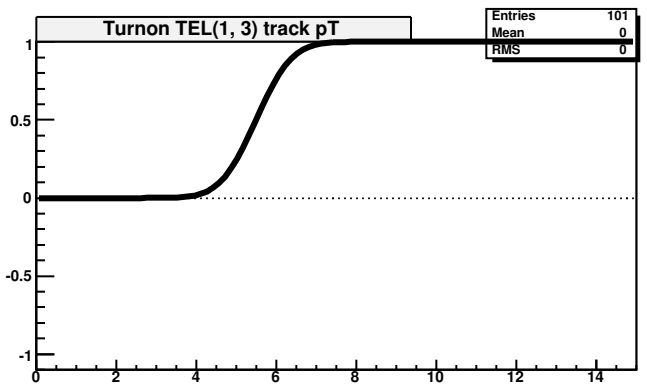


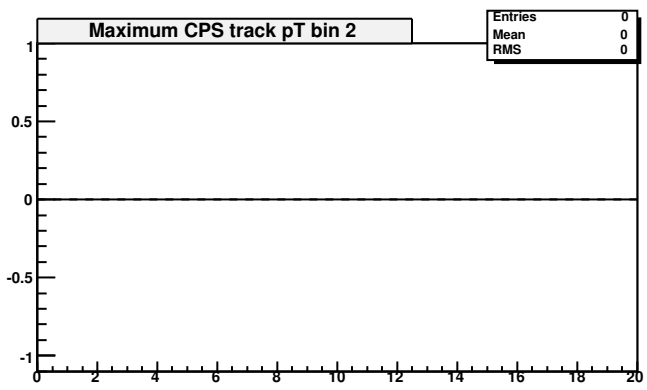
TIS Turnon curves (L1CTT All)

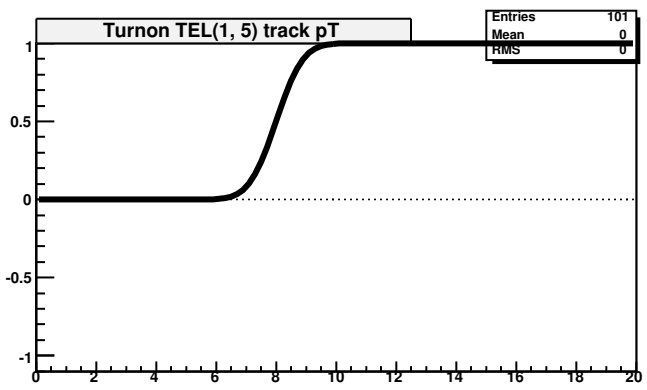


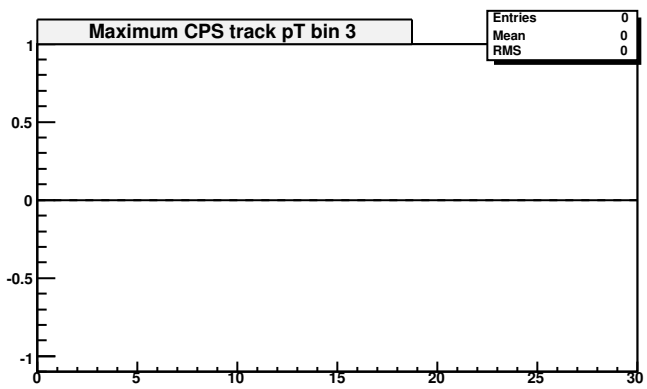


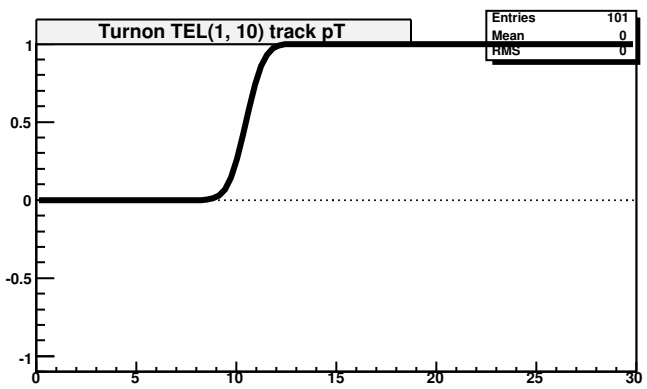




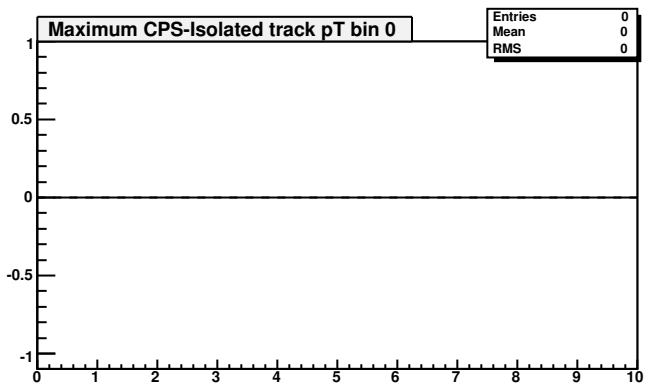


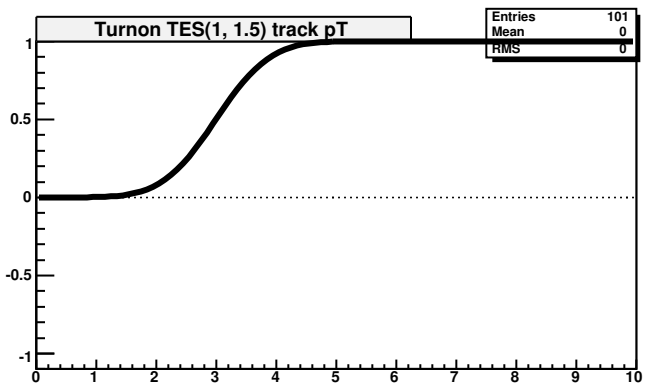


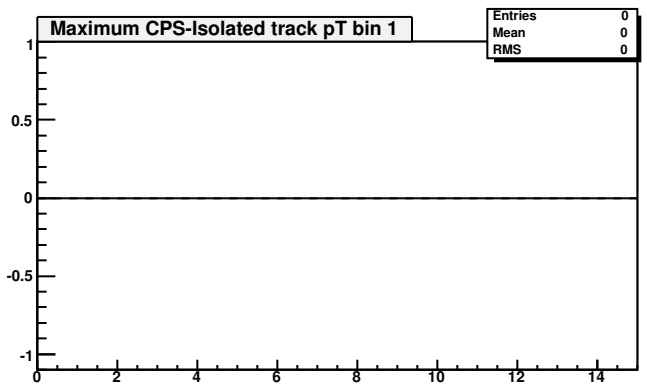


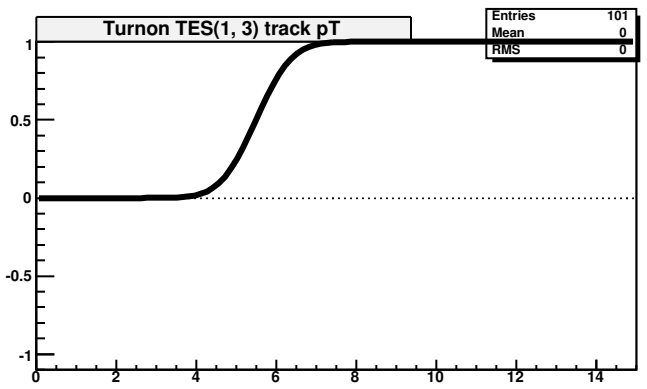


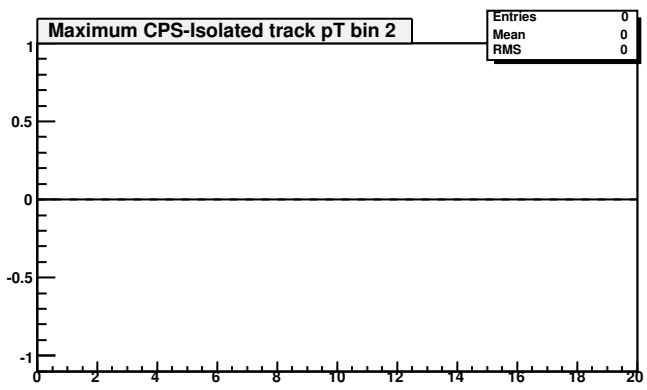
TEL Turnon curves (L1CTT All)

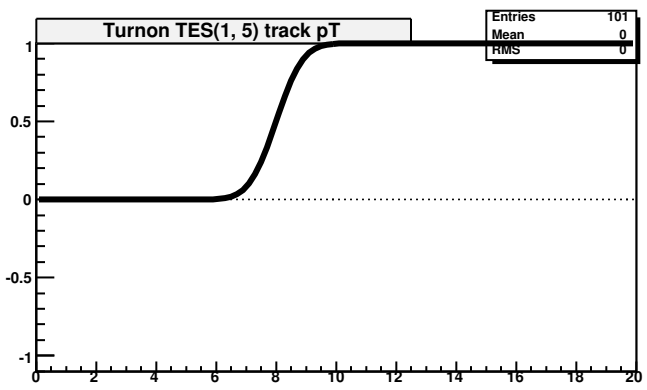


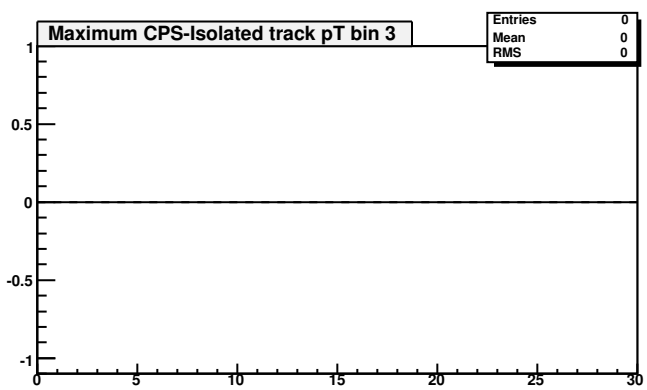


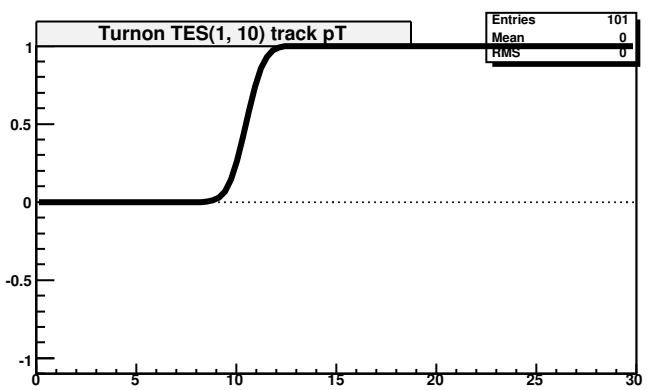




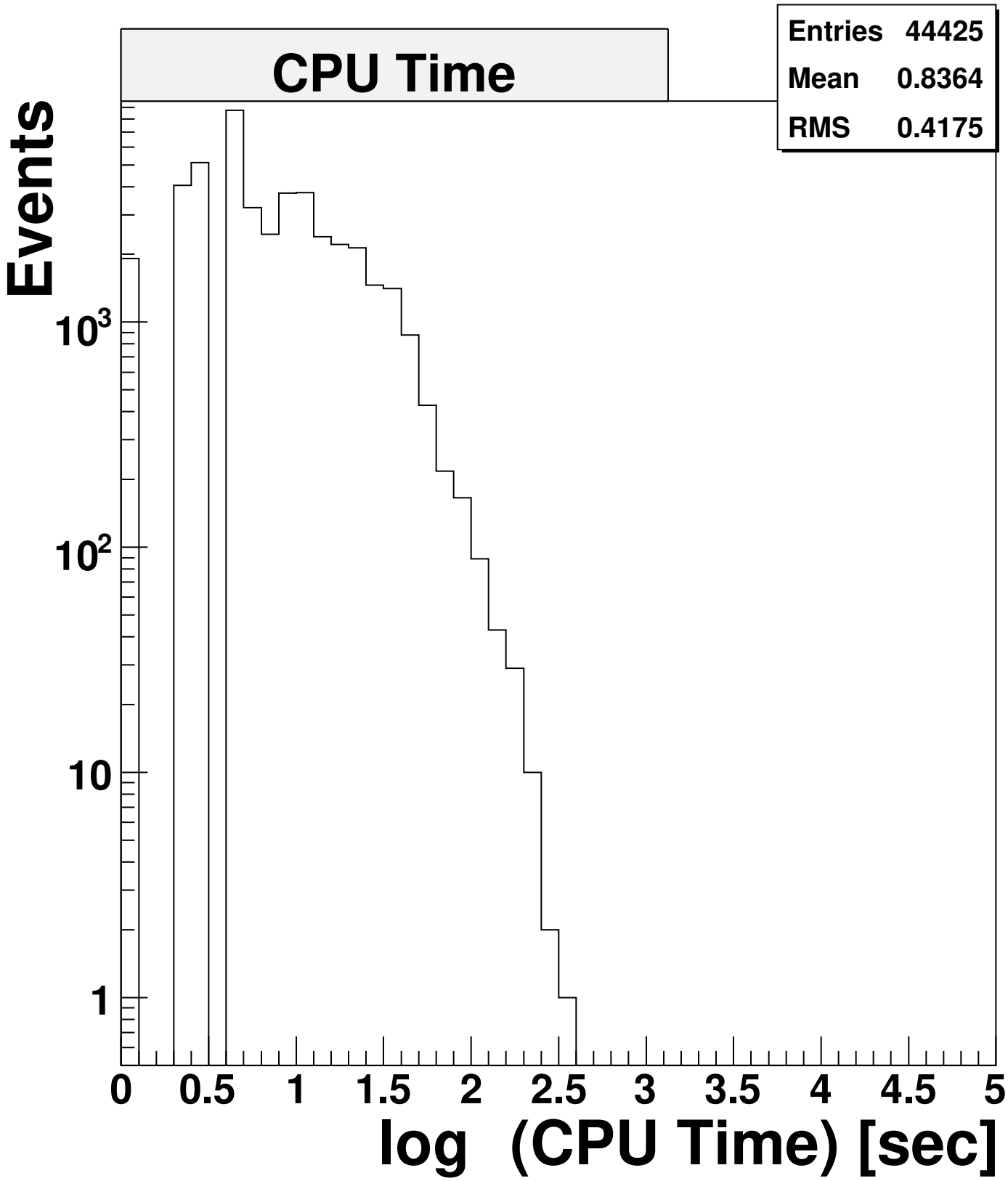








TES Turnon curves (L1CTT All)



RECO Performance (Timing)